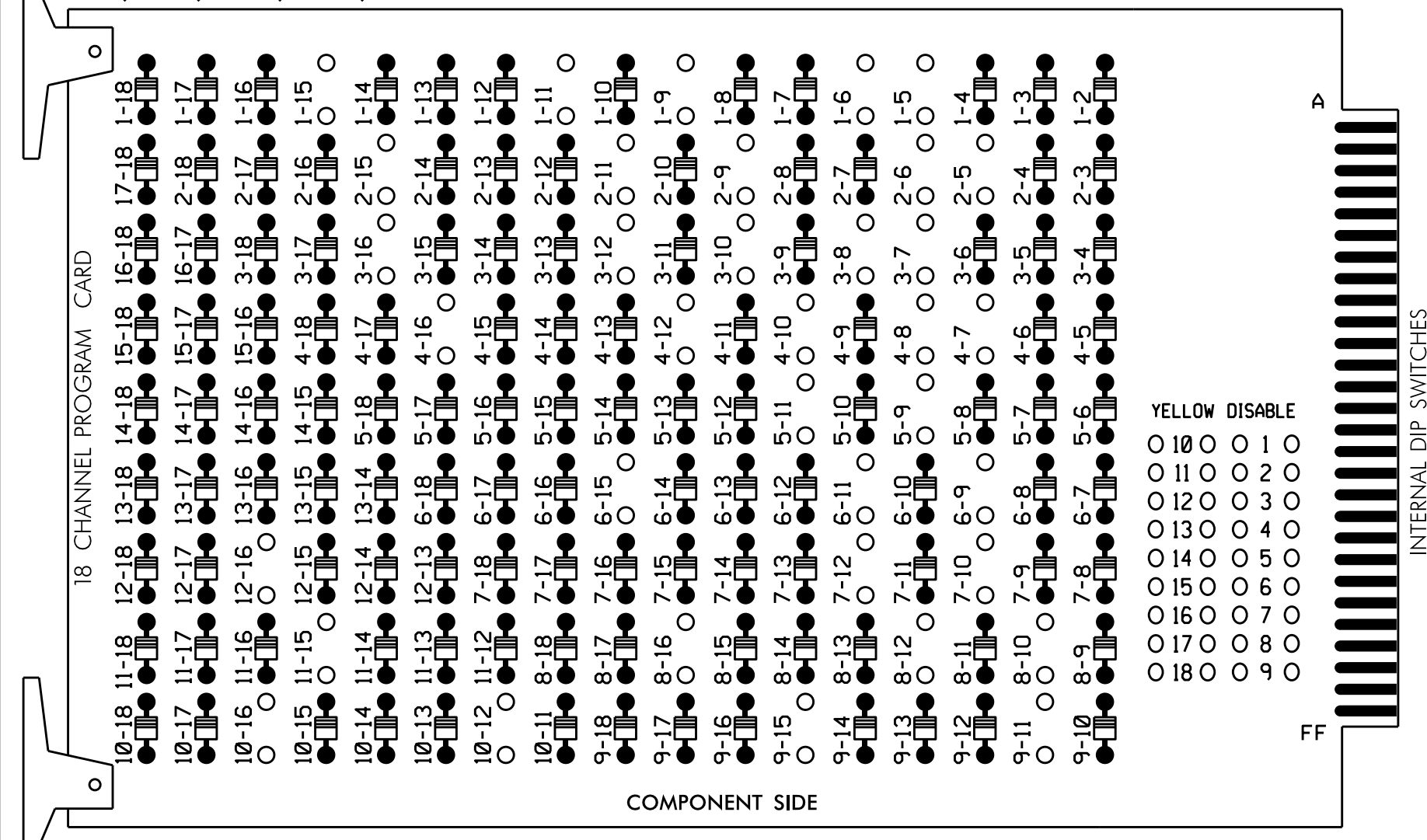


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

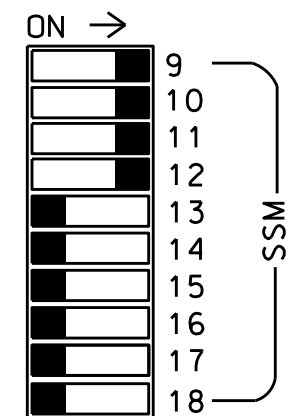
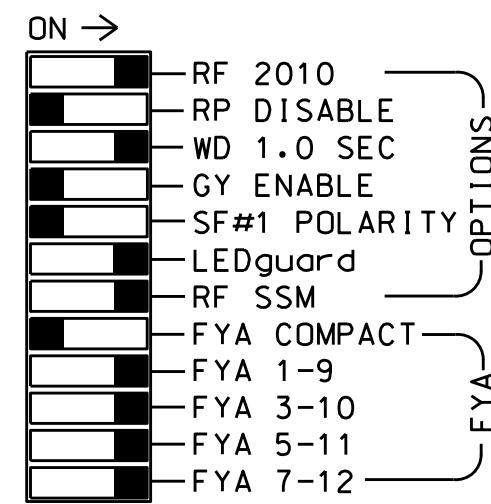
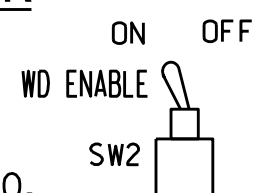
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-15, 2-5, 2-6, 2-9, 2-11, 2-15, 3-7, 3-8, 3-10, 3-12, 3-16, 4-7, 4-8, 4-10, 4-12, 4-16, 5-9, 5-11, 6-9, 6-11, 6-15, 7-10, 7-12, 8-10, 8-12, 8-16, 9-11, 9-15, 10-12, 10-16, 11-15 AND 12-16.



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.



■ = DENOTES POSITION OF SWITCH

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 phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program controller to start up in phase 2 Green and 6 Walk.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S9,S10,S11,  
 S12,AUX S1,AUX S2,AUX S4,AUX S5  
 PHASES USED.....1,2,3,4,5,6,7,8,  
 6 PED,8 PED  
 OVERLAP "A".....\*  
 OVERLAP "B".....\*  
 OVERLAP "C".....\*  
 OVERLAP "D".....\*  
 \* See overlap programming detail on sheet 2

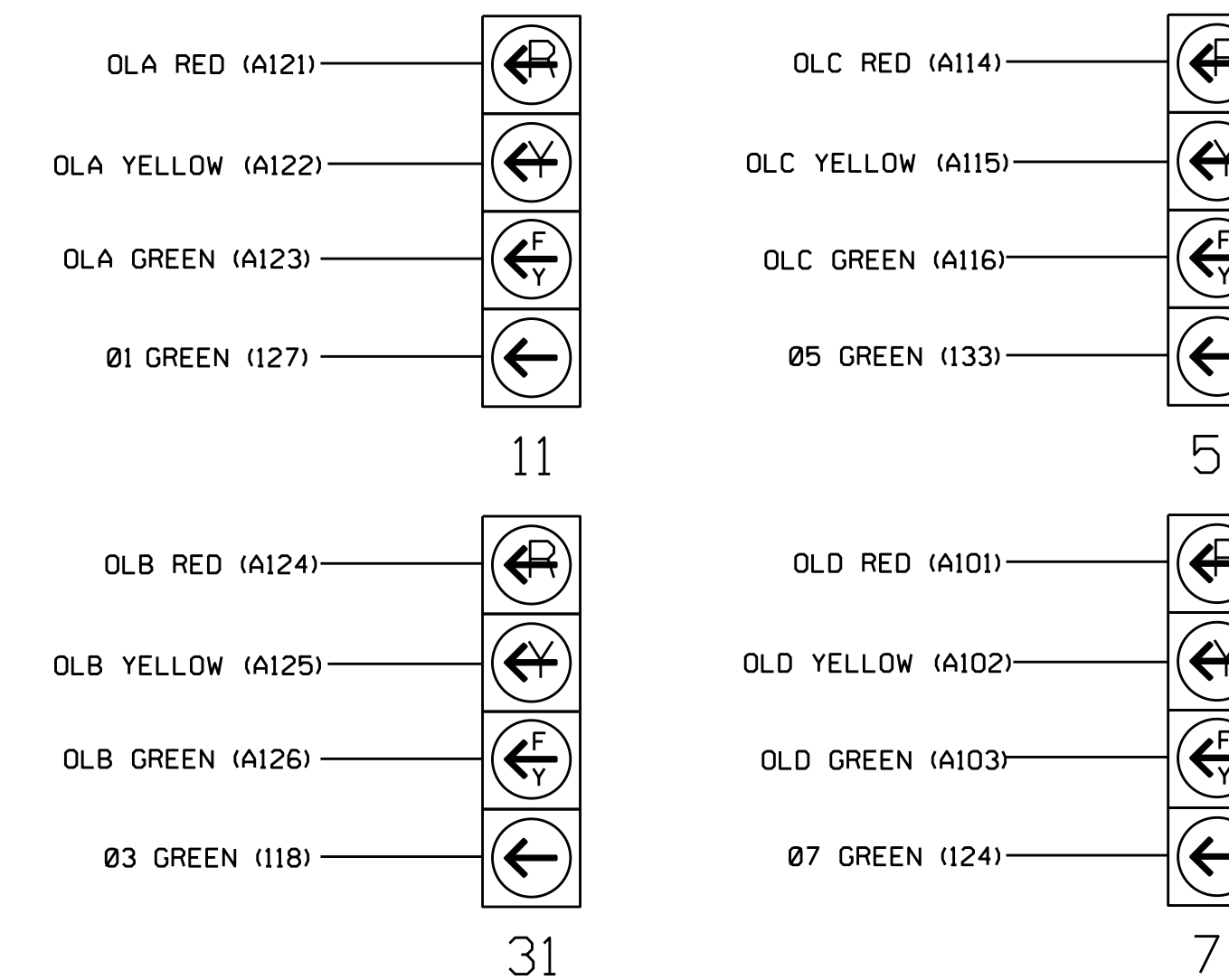
SIGNAL HEAD HOOK-UP CHART

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*	82	21,22	NU	31*	41,42	NU	51*	61,62	P61, P62	62	71*	81,82	P81, P82	11*	31*	NU	51*	71*	NU	
RED	*	128			101			134			*	107									
YELLOW		129		*	102		*	135				108									
GREEN		130			103			136				109									
RED ARROW															A121	A124		A114	A101		
YELLOW ARROW	126											123			A122	A125		A115	A102		
FLASHING YELLOW ARROW															A123	A126		A116	A103		
GREEN ARROW	127	127			118			133			124	124									
Hand icon										119					110						
Walking person icon																					

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 ★ See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 1	∅ 2	∅ 3	∅ 4	S	S	S	S	S	S	S	∅ 6 PED	FS
L	1A	1B	2A	3A	4A	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
U	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	S	S	S	S	S	S	S	∅ 8 PED	ST
L	5A	6A	S	7A	8A	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR

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

FS = FLASH SENSE  
 ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

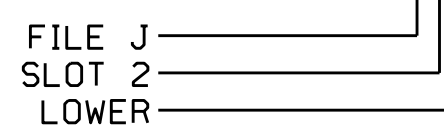
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A <sup>1</sup>	TB2-1,2	I1U	56	1	1	YES		15	S
	-	J4U	48	26	6	YES			S
	1B	TB2-5,6	I2U	39	2	1	YES	15	S
2A	TB2-9,10	I3U	63	32	2	YES			S
	3A <sup>2</sup>	TB4-5,6	I5U	58	3	3	YES	15	S
4A	-	J8U	50	28	8	YES		3	S
	TB4-9,10	I6U	41	4	4	YES		10	S
5A <sup>3</sup>	-	I4U	47	22	2	YES			S
	TB3-1,2	J1U	55	5	5	YES		15	S
6A	-	I4U	47	22	2	YES			S
	TB3-5,6	J2U	40	6	6	YES			S
7A <sup>4</sup>	-	J5U	57	7	7	YES		15	S
	TB5-5,6	I8U	49	24	4	YES		3	S
8A	-	I6U	42	8	8	YES			S
	TB5-9,10	J6U	42	8	8	YES			S
PED PUSH BUTTONS									
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED				

NOTE:  
 INSTALL A DC ISOLATOR IN INPUT FILE SLOT 113.

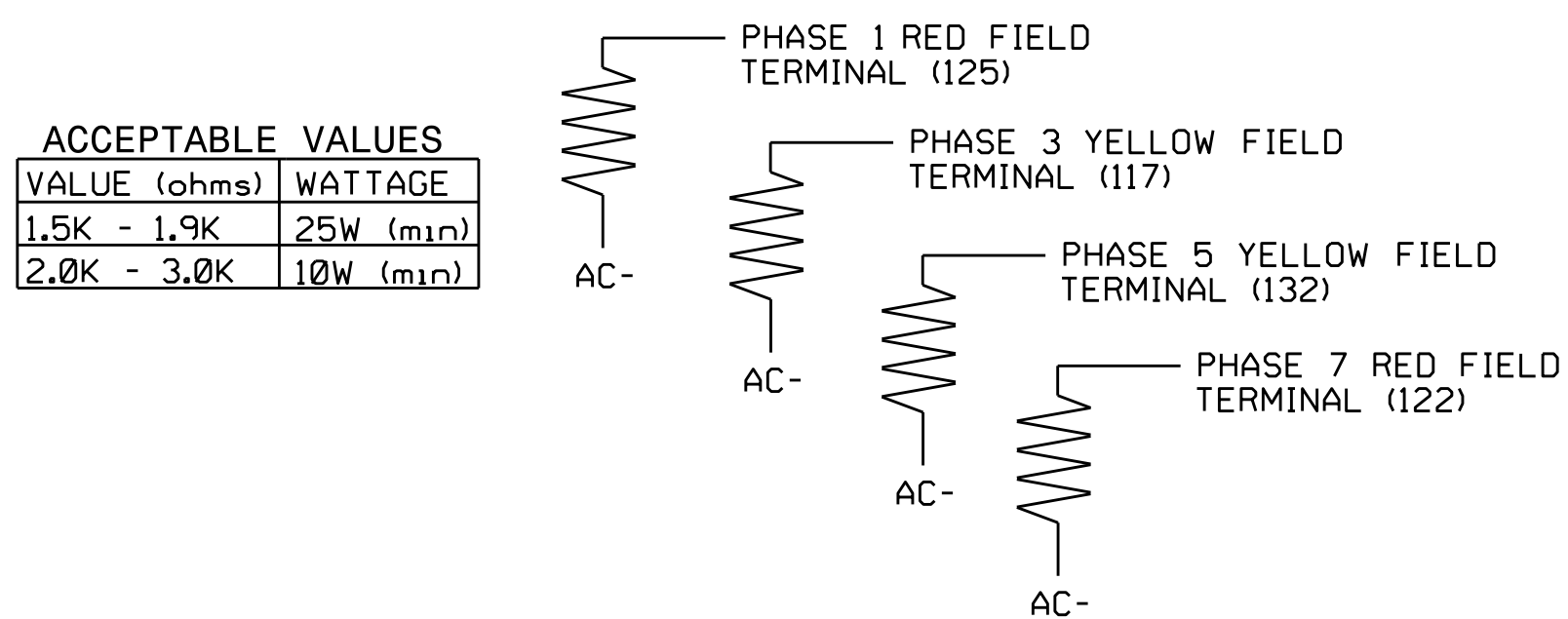
- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



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

Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

NC 59 (South Main Street) at SR 1131 (Cameron Road) / Edwin Deaver Road

Division 6 Cumberland County Hope Mills  
 PLAN DATE: September 2016 REVIEWED BY: BAS  
 PREPARED BY: James Peterson REVIEWED BY:

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 KEITH M. MINIS  
 036880

9/28/2016  
 DATE

SIG. INVENTORY NO. 06-0454