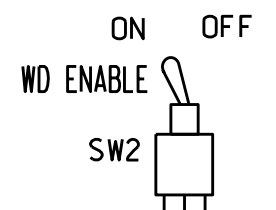
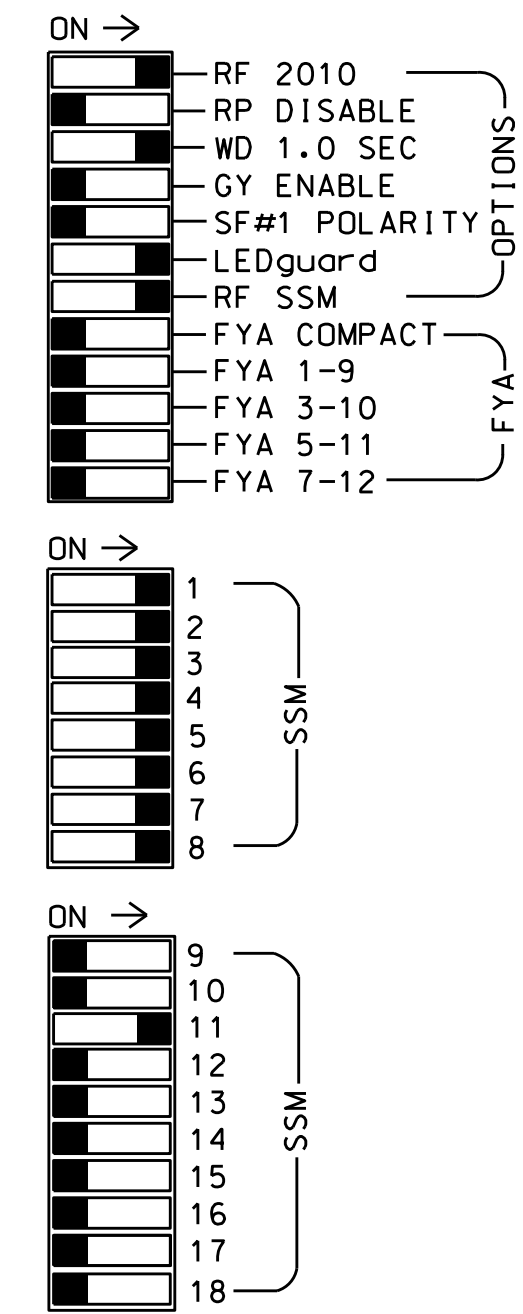
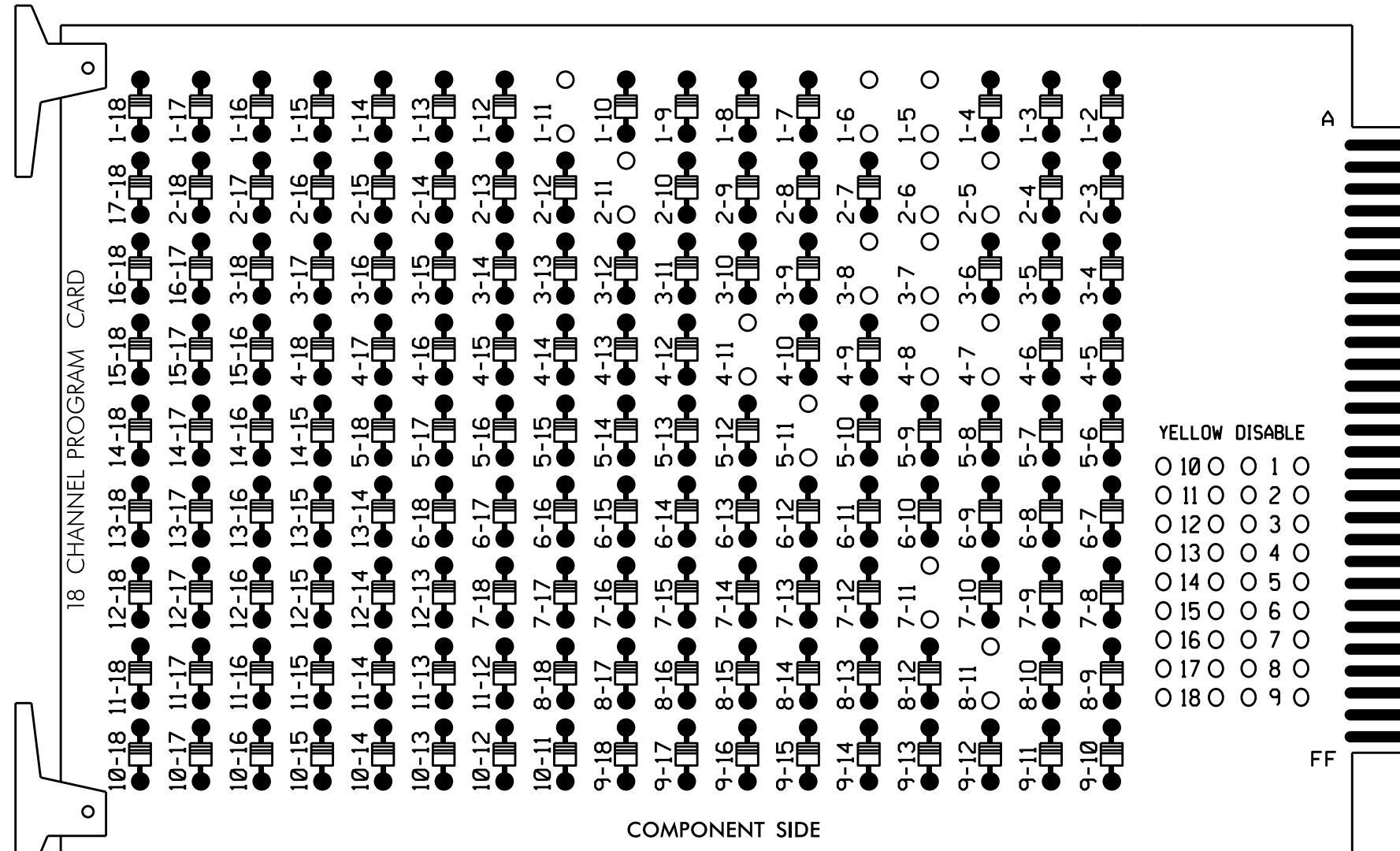


**EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



REMOVE DIODE JUMPERS 1-5, 1-6, 1-11, 2-5, 2-6, 2-11, 3-7, 3-8, 4-7, 4-8, 4-11, 5-11, 7-11, and 8-11.



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.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Green.
- 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,S10,S11,AUX S4  
 PHASES USED.....1,2,3,4,5,6,7,8  
 OVERLAP A.....NOT USED  
 OVERLAP B.....NOT USED  
 OVERLAP C.....4+5  
 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	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22 23	NU	31	41,42	NU	51	61,62 63	NU	71,72	81,82	NU	NU	NU	NU	43,44	NU	NU
RED		128			101			134			107							A114
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW	125				116			131			122							
YELLOW ARROW	126				117			132			123							A115
GREEN ARROW	127				118			133			124							A116

NU = Not Used

NOTE: For signal heads 43 and 44 to flash concurrently with all heads on its span, locate the wire that connects terminal 01-6 on the rear of the output file to terminal 1A-2 on the rear of the auxiliary output file. Remove this wire from terminal 01-6 and terminate it on terminal 01-8.

**ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL**

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

Toggle Twice

OVERLAP C

Select TMG VEH OVLP [C] and 'NORMAL'

TMG VEH OVLP...[C] TYPE: .....**NORMAL**  
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
 INCLUDED . . . X X . . . . .  
 LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0355  
 DESIGNED: November 2015  
 SEALED: 5/12/2016  
 REVISED: N/A

**INPUT FILE POSITION LAYOUT**

(front view)

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

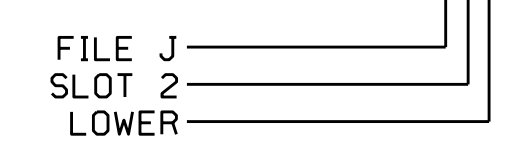
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
2A	TB2-5,6	I2U	39	2	2	YES			N
2B	TB2-7,8	I2L	43	12	2	YES			N
2C	TB2-9,10	I3U	63	32	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES		3	S
4A	TB4-9,10	I6U	41	4	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES		15	S
5C	TB3-7,8	J2L	44	16	5	YES		15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
6C	TB5-1,2	J4U	48	26	6	YES			N
7A	TB5-9,10	J6U	42	8	7	YES		3	S
7B	TB5-11,12	J6L	46	18	7	YES			S
8A	TB7-1,2	J7U	66	38	8	YES			S
8B	TB7-3,4	J7L	79	48	8	YES		15	S

INPUT FILE POSITION LEGEND: J2L



Electrical Detail

US 401 Bypass (Skibo Road) at Swain Street

Division 6 Cumberland County Fayetteville

PLAN DATE: May 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 036880

KEITH M. MIMS

DocuSigned by: Keith M. Mims 5/24/2016

SIG. INVENTORY NO. 06-0355

24-May-2016 09:10  
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 sarmstrong