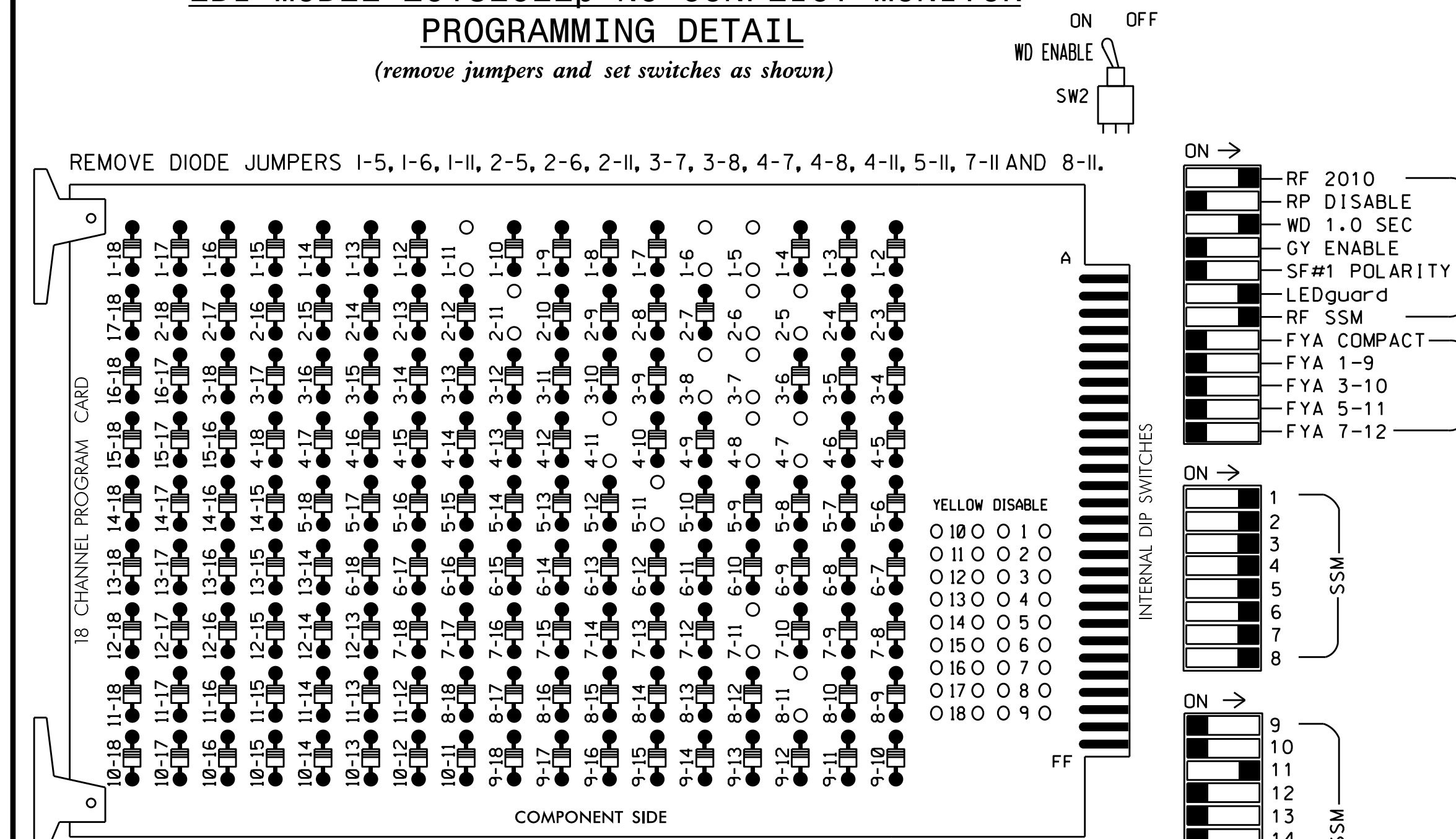


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(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.

■ = 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.	11,12	82	21 22,23	NU	23	31,32	41,42	NU	51,52	61, 62,63	NU	63	71,72	81,82	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	126			117	117		132			123	123						A115		
GREEN ARROW	127	127			118	118		133			124	124						A116		

NU = Not Used

NOTE: for signal heads 43 and 44 to flash concurrently with 41 and 42, locate the wire that connects terminal 01-6 on the rear of the output file to terminal TA-2 on the rear of the auxiliary output file. Remove this wire from terminal 01-6 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 OVL [C] and 'NORMAL'

TMG VEH OVL...[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: 06-1161
 DESIGNED: December 2015
 SEALED: 4-26-16
 REVISED: N/A

INPUT FILE POSITION LAYOUT

(front view)

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

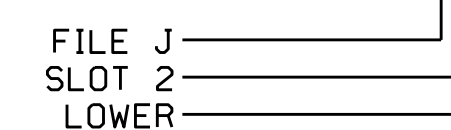
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
1B	TB2-3,4	I1L	56	1	1	YES			S
1C	TB2-11,12	I3L	76	42	1	YES		20	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			S
3B	TB4-7,8	I5L	58	3	3	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-3,4	J1L	55	5	5	YES			S
5C,5D	TB7-9,10	J9U	59	15	5	YES		20	S
5E,5F	TB7-11,12	J9L	61	17	5	YES		20	S
6A	TB3-5,6	J2U	40	6	6	YES			N
6B	TB3-7,8	J2L	44	16	6	YES			N
6C	TB3-9,10	J3U	64	36	6	YES			N
7A,7B	TB5-5,6	J5U	57	7	7	YES			S
7C,7D	TB5-7,8	J5L	57	7	7	YES			S
8A	TB5-9,10	J6U	42	8	8	YES			S
8B	TB5-11,12	J6L	46	18	8	YES			S

INPUT FILE POSITION LEGEND: J2L



Electrical Detail

Electrical and Programming Details For:
 Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

US 401 Bypass (Skibo Road) at Walmart Entrance/Legend Road

Division 6 Cumberland County Fayetteville

PLAN DATE: April 2016 REVIEWED BY: DTJ

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

Seal of Keith M. Minus, Professional Engineer, No. 036880, State of North Carolina.

DocuSigned by: Keith M. Minus 5/23/2016

SIG. INVENTORY NO. 06-1161

23-MAY-2016 14:27
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 T Peterson