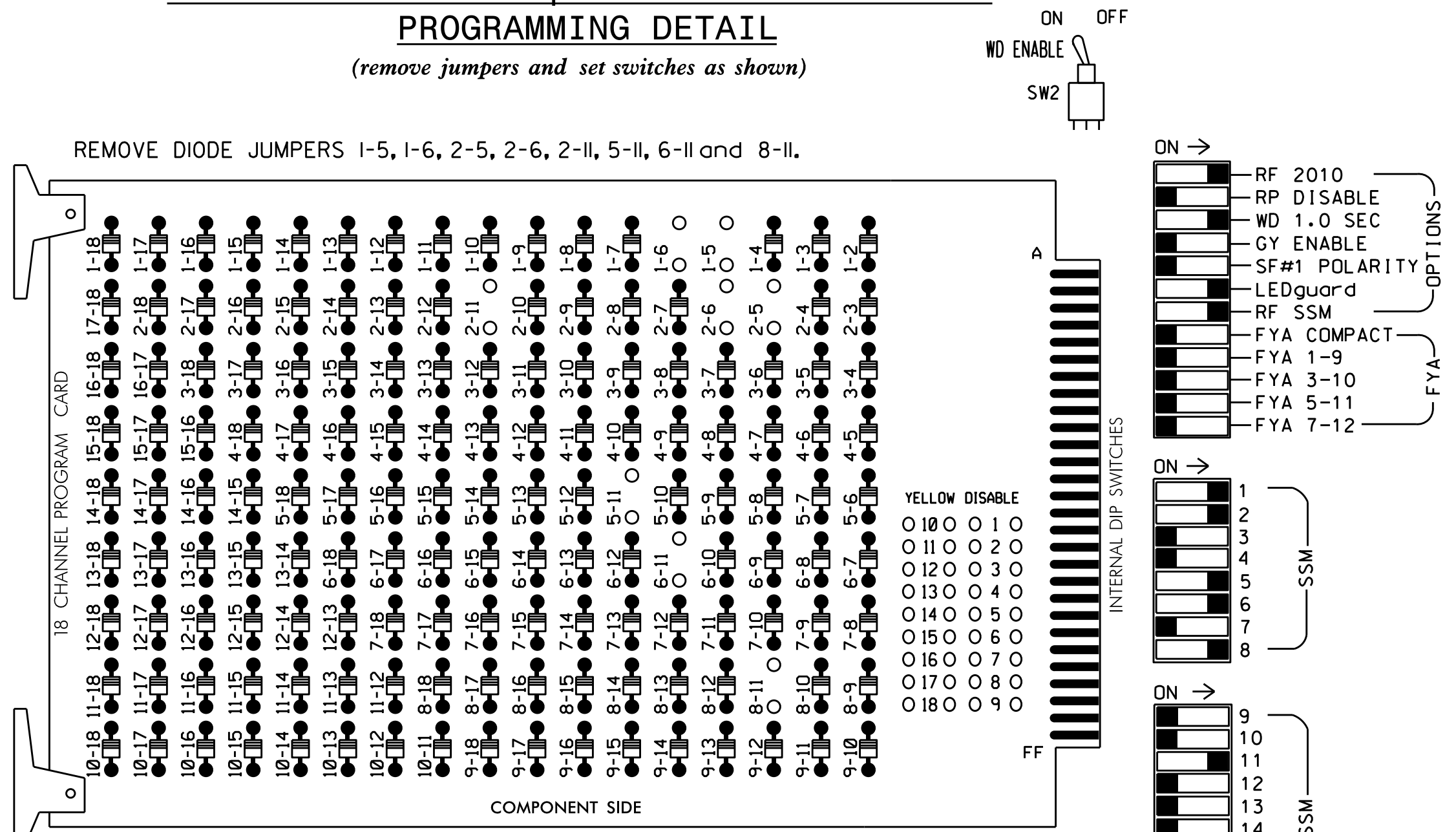


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

NOTES

1. 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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Green.
5. The cabinet and controller are part of the Fayetteville 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				
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	21,22	23	NU	NU	NU	NU	51,52	61,62	63	NU	NU	81,82	83,84	NU	NU	NU	24,25	NU	NU		
RED		128							134			107										
YELLOW		129							135			108										
GREEN		130							136			109										
RED ARROW	125							131			107										A114	
YELLOW ARROW	126							132			108											A115
GREEN ARROW	127							133			109											A116

NU = Not Used

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,S7,S8,S11,AUX S4
 PHASES USED.....1,2,5,6,8
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....2+8
 OVERLAP "D".....NOT USED
 * See overlap programming detail on this sheet.

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL
(program controller as shown)

1. From Main Menu select **2. CONTROLLER**
2. 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: 06-0065
 DESIGNED: October 2015
 SEALED: 2-18-16
 REVISED: N/A

INPUT FILE POSITION LAYOUT
(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅2/SYS	∅2/SYS	∅2/SYS	S	S	S	S	S	S	S	S	S	FS
I	1A	2A/S2A	2C/S2C	2E/S2E										DC ISOLATOR
L	∅ 1	∅2/SYS	∅2/SYS	NOT USED										ST
U	∅ 5	∅6/SYS	∅6/SYS	S	S	∅ 8	∅ 8	S	S	S	S	S	S	S
I	5A	6A/S6A	6C/S6C			8A	8C							DC ISOLATOR
L	∅ 5	∅6/SYS	NOT USED			∅ 8	NOT USED							ST
U	5B	6B/S6B				8B								S

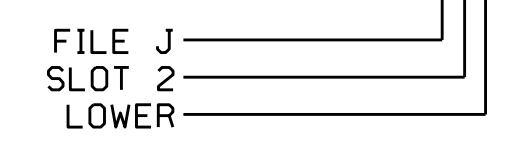
EX. : 1A, 2A, ETC. = LOOP NO.'S

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
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
2C/S2C	TB2-9,10	I3U	63	32	2/SYS	YES			N
2D/S2D	TB2-11,12	I3L	76	42	2/SYS	YES			N
2E/S2E	TB4-1,2	I4U	47	22	2/SYS	YES			N
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-3,4	J1L	55	5	5	YES			S
6A/S6A	TB3-5,6	J2U	40	6	6/SYS	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6/SYS	YES			N
6C/S6C	TB3-9,10	J3U	64	36	6/SYS	YES			N
8A	TB5-9,10	J6U	42	8	8	YES			S
8B	TB5-11,12	J6L	46	18	8	YES			S
8C	TB7-1,2	J7U	66	38	8	YES			S

INPUT FILE POSITION LEGEND: J2L



Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 24/87/210 (Bragg Boulevard) at NC 210/Spring Avenue

Division 6 Cumberland County Spring Lake

PLAN DATE: January 2016 REVIEWED BY: DTJ

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Keith M. Mims 3/21/2016

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 KEITH M. MIMS
 SEAL 036880

SIG. INVENTORY NO. 06-0065

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 JPeterson