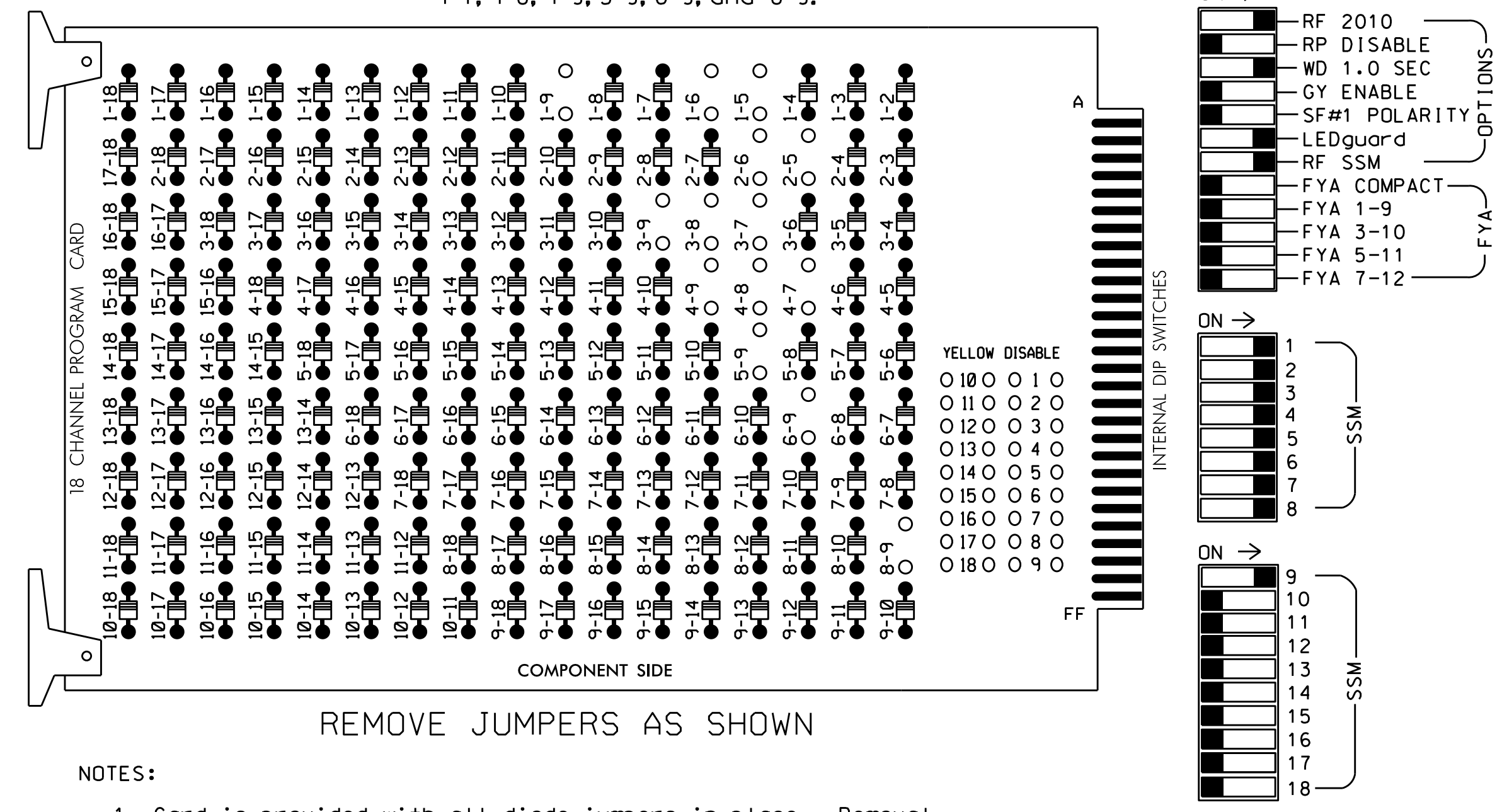


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 2-5, 2-6, 3-7, 3-8, 3-9, 4-7, 4-8, 4-9, 5-9, 6-9, and 8-9.



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.
- 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 S1
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP A.....1+8
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 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	21,22,23	NU	23	31	41,42	NU	42	51,52	61,62,63	NU	63	71,72	81,82	NU	83,84	NU	NU
RED		128			101				134				107	A121				
YELLOW		129			102				135				108					
GREEN		130			103				136				109					
RED ARROW	125				116				131				122					
YELLOW ARROW	126				117	117			132	132			123	123				A122
GREEN ARROW	127				118	118			133	133			124	124				A123

NU = Not Used

NOTE: For signal heads 83 and 84 to flash concurrently with 81 and 82, locate the wire that connects terminal 01-5 on the rear of the output file to terminal TA-1 on the rear of the auxiliary output file. Remove this wire from terminal 01-5 and terminate it on terminal 01-7.

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

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

OVERLAP A

Select TMG VEH OVLP [A] and 'NORMAL'

TMG VEH OVLP...[A] 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: 06-0325
 DESIGNED: November 2015
 SEALED: 2/23/16
 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" U	∅ 1	∅ 1	∅ 2	∅ 2	∅ 3	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4
FILE "I" L	1A	1C	2A	2C	3A	4A	4C	4C	4C	4C	4C	4C	4C	4C
FILE "J" U	∅ 1	∅ 1	∅ 2	NOT USED	NOT USED	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4	∅ 4
FILE "J" L	1B	1D	2B	NOT USED	NOT USED	4B	4D	4D	4D	4D	4D	4D	4D	4D
FILE "I" U	∅ 5	∅ 5	∅ 6	∅ 6	∅ 6	∅ 7	∅ 7	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8
FILE "I" L	5A	5C	6A	6C	6C	7A	7C	8A	8A	8A	8A	8A	8A	8A
FILE "J" U	∅ 5	∅ 5	∅ 6	NOT USED	NOT USED	∅ 7	∅ 7	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
FILE "J" L	5B	5D	6B	NOT USED	NOT USED	7B	7D	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

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	TB2-5,6	I2U	39	2	1	YES		15	S
1D	TB2-7,8	I2L	43	12	1	YES		15	S
2A	TB2-9,10	I3U	63	32	2	YES			N
2B	TB2-11,12	I3L	76	42	2	YES			N
2C	TB4-1,2	I4U	47	22	2	YES			N
3A	TB4-5,6	I5U	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
4C	TB6-1,2	I7U	65	34	4	YES			S
4D	TB6-3,4	I7L	78	44	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-3,4	J1L	55	5	5	YES			S
5C	TB3-5,6	J2U	40	6	5	YES		15	S
5D	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			S
7B	TB5-11,12	J6L	46	18	7	YES			S
7C	TB7-1,2	J7U	66	38	7	YES		3	S
7D	TB7-3,4	J7L	79	48	7	YES		3	S
8A	TB7-5,6	J8U	50	28	8	YES			S

INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
 TRANSPORTATION MOBILITY AND SAFETY ADMINISTRATION
 FEDERAL BUREAU OF INVESTIGATION
 Signal Management Section
 750 N. Greenfield Pkwy, Garner, NC 27529

US 401 Bypass (Skibo Road) at SR 3499 (Lake Valley Drive)/ Cross Creek Mall Entrance

Division 6 Cumberland County Fayetteville

PLAN DATE: January 2016 REVIEWED BY: T. Joyce
 PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS: _____ INIT. DATE

Seal: Keith M. Mims, Professional Engineer, No. 036880

DocuSigned By: Keith M. Mims 3/17/2016

SIG. INVENTORY NO. 06-0325

I:\MSB-2016_06-18
 S:\MITS\Signal Management\Signal Management\060325_Sm_elec_xxx.dgn
 S:\MITS\Signal Management\Signal Management\060325_Sm_elec_xxx.dgn
 S:\MITS\Signal Management\Signal Management\060325_Sm_elec_xxx.dgn