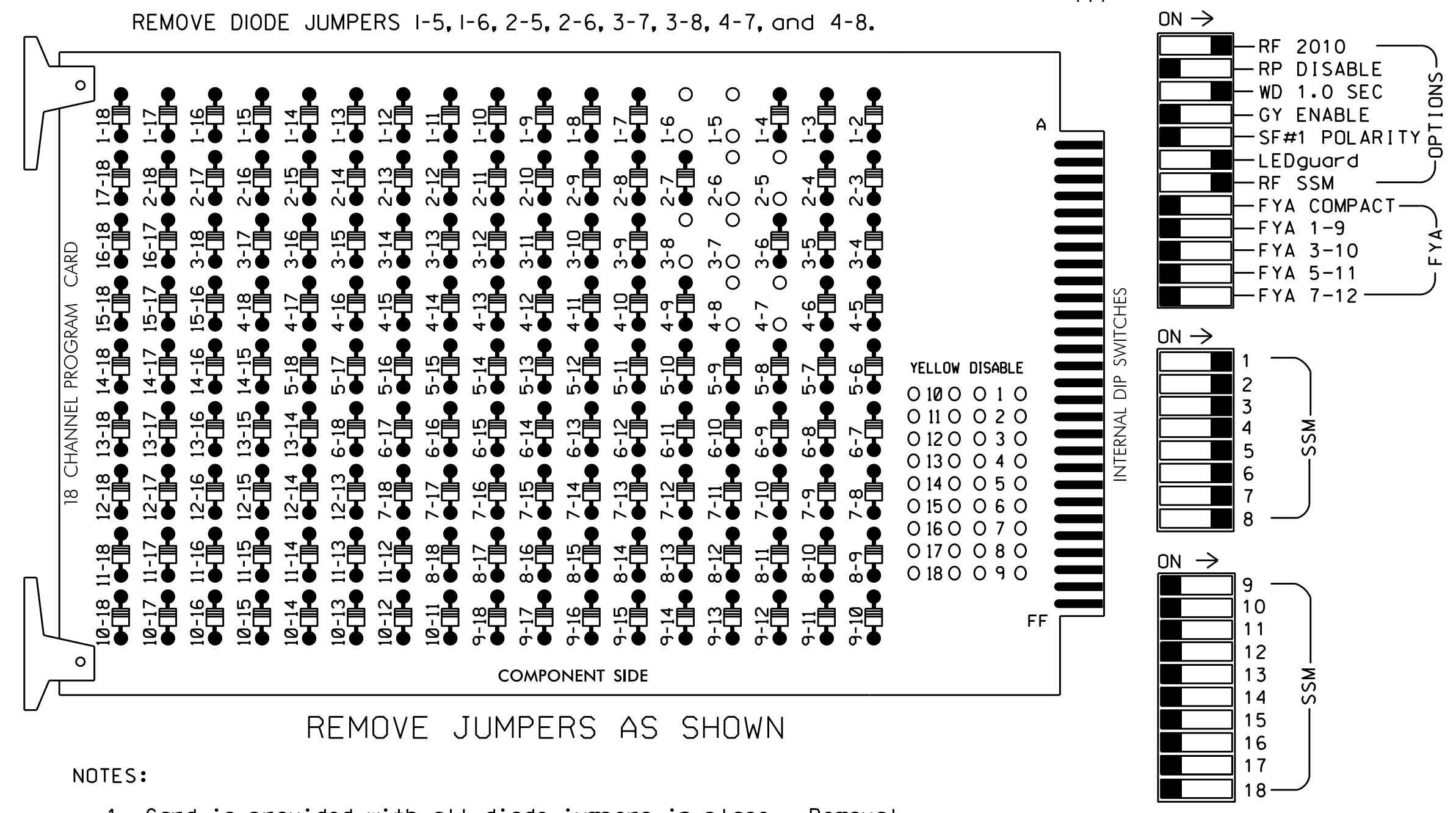


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S10,S11
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12				
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16				
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED				
SIGNAL HEAD NO.	11,12 13	82	21,22 23	NU	23	31,32	41,42 43	NU	42	51,52	61,62 63,64	NU	63	71,72 73	81,82	NU
RED		128			101			134				107				
YELLOW		129			102			135				108				
GREEN		130			103			136				109				
RED ARROW	125				116			131				122				
YELLOW ARROW	126	126		117	117		132	132		123	123					
GREEN ARROW	127	127		118	118		133	133		124	124					

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

FILE "I" U L	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	∅ 1	∅ 1	∅ 2/SYS	∅ 2/SYS	S	∅ 3	∅ 4	∅ 4	SYS. DET. S4A	S	S	S	S	FS
	1A	1C	2B/S2B	2D/S2D	←→	3A	4A,4B	4D		←→	←→	←→	←→	DC ISOLATOR
	∅ 1	∅ 2/SYS	∅ 2/SYS	NOT USED	←→	∅ 3	∅ 4	NOT USED	SYS. DET. S4B	←→	←→	←→	←→	DC ISOLATOR
	1B	2A/S2A	2C/S2C		←→	3B	4C			←→	←→	←→	←→	
FILE "J" U L	∅ 5	∅ 5	∅ 6/SYS	S	∅ 7	∅ 8	∅ 8	SYS. DET. S8A	S	S	S	S	S	S
	5A	5C	6B/S6B	←→	7A	8A			←→	←→	←→	←→	←→	←→
	∅ 5	∅ 6/SYS	∅ 6/SYS	←→	∅ 7	∅ 8	←→	SYS. DET. S8B	←→	←→	←→	←→	←→	←→
	5B	6A/S6A	6C/S6C	←→	7B	8B	←→		←→	←→	←→	←→	←→	←→

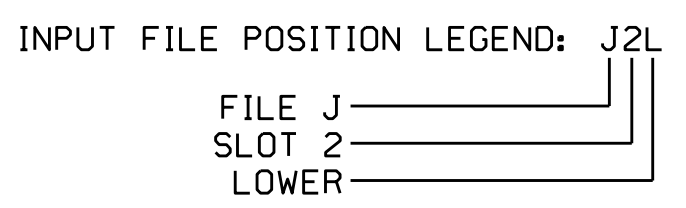
EX.: 1A, 2A, ETC. = LOOP NO.'S

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		20	S
2A/S2A	TB2-7,8	I2L	43	12	2/SYS	YES			N
2B/S2B	TB2-9,10	I3U	63	32	2/SYS	YES			N
2C/S2C	TB2-11,12	I3L	76	42	2/SYS	YES			N
2D/S2D	TB4-1,2	I4U	47	22	2/SYS	YES			N
3A	TB4-9,10	I6U	41	4	3	YES			S
3B	TB4-11,12	I6L	45	14	3	YES			S
4A,4B	TB6-1,2	I7U	65	34	4	NO	2,2		N
4C	TB6-3,4	I7L	78	44	4	YES			S
4D	TB6-5,6	I8U	49	24	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		20	S
6A/S6A	TB3-7,8	J2L	44	16	6/SYS	YES			N
6B/S6B	TB3-9,10	J3U	64	36	6/SYS	YES			N
6C/S6C	TB3-11,12	J3L	77	46	6/SYS	YES			N
7A	TB5-9,10	J6U	42	8	7	YES			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			S
*S4A	TB6-9,10	I9U	60	11	SYS	NO			N
*S4B	TB6-11,12	I9L	62	13	SYS	NO			N
*S8A	TB7-9,10	J9U	59	15	SYS	NO			N
*S8B	TB7-11,12	J9L	61	17	SYS	NO			N

* System detector only. Remove any assigned vehicle phase.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0055
 DESIGNED: October 2015
 SEALED: 2/19/2016
 REVISED: N/A

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 401 Bypass (Skibo Road) at SR 1415 (Yadkin Road)/ McPherson Church Road

Division 6 Cumberland County Fayetteville

PLAN DATE: January 2016 REVIEWED BY: T. Joyce

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

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

DocuSigned by: Keith M. Mims 3/14/2016

SIG. INVENTORY NO. 06-0055

2016-03-16 11:19:15 S:\Projects\2016\11\19\15\Sigmod\work\hgr\cousa\51g_MonMtrmstrng\060055_sml.ele.xxx.dgn sarmstrong