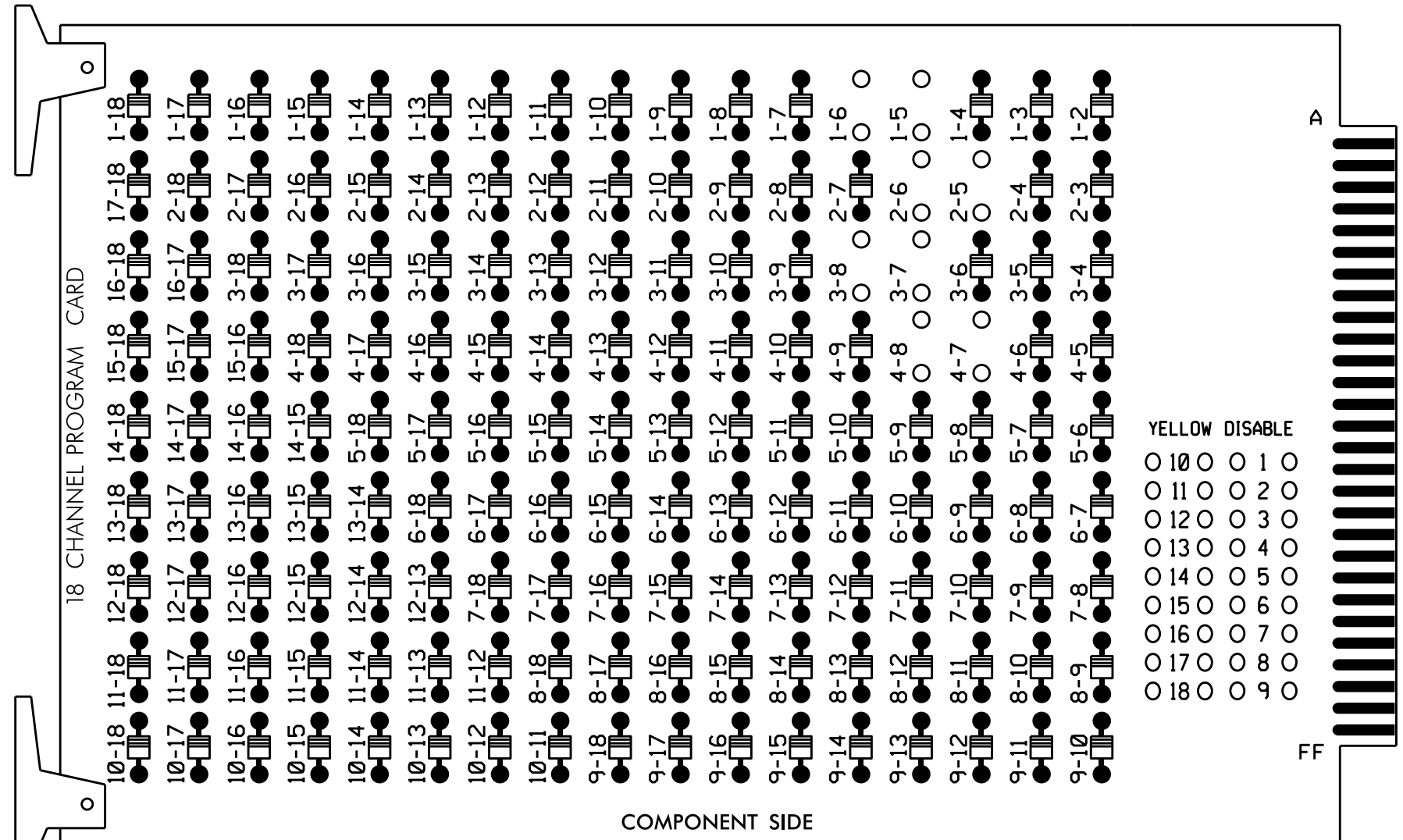


EDI MODEL 2018EClip-NC CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

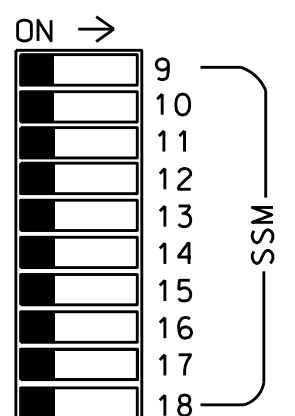
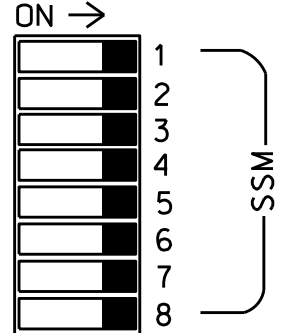
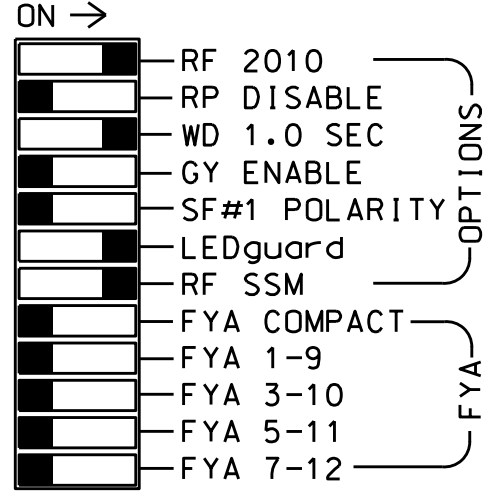
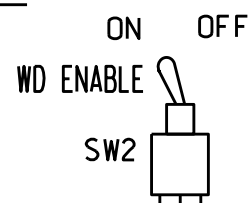
REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6, 3-7, 3-8, 4-7 and 4-8.



REMOVE JUMPERS 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.



■ = DENOTES POSITION OF SWITCH

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	82	21, 22, 23	NU	23	31, 32	41, 42	NU	42	51, 52	61, 62	NU	71, 72	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		
GREEN ARROW	127	127			118	118			133	133			124		

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

FILE U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE U	∅ 1	∅ 1	∅ 2	S	∅ 3	SYS. DET. S4A	SYS. DET. S4C	∅ 4	SYS. DET. S2A	S	S	S	S	FS
"I"	1A	1B	2B	∅ 2	∅ 3	SYS. DET. S4B	SYS. DET. S2C	∅ 4	SYS. DET. S2B	S	S	S	S	DC ISOLATOR
L	NOT USED	∅ 2	∅ 2	∅ 2	∅ 3	SYS. DET. S4B	SYS. DET. S2C	∅ 4	SYS. DET. S2B	S	S	S	S	ST
FILE U	∅ 5	∅ 5	∅ 6	S	∅ 7	SYS. DET. S8A	NOT USED	∅ 8	SYS. DET. S6A	S	S	S	S	DC ISOLATOR
"J"	5A	5C	6B	∅ 2	∅ 7	SYS. DET. S8B	SYS. DET. S6C	∅ 8	SYS. DET. S6B	S	S	S	S	ST
L	∅ 5	∅ 6	∅ 6	∅ 2	∅ 7	SYS. DET. S8B	SYS. DET. S6C	∅ 8	SYS. DET. S6B	S	S	S	S	DC ISOLATOR

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

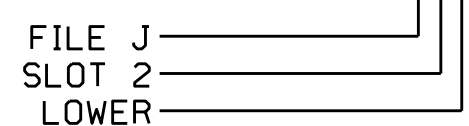
FS = FLASH SENSE
 ST = STOP TIME

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
1B	TB2-5,6	I2U	39	2	1	YES		15	S
2A	TB2-7,8	I2L	43	12	2	YES			N
2B	TB2-9,10	I3U	63	32	2	YES			N
2C	TB2-11,12	I3L	76	42	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-7,8	I5L	58	3	3	YES			S
4A	TB6-5,6	I8U	49	24	4	YES			S
4B	TB6-7,8	I8L	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	TB3-7,8	J2L	44	16	6	YES			N
6B	TB3-9,10	J3U	64	36	6	YES			N
6C	TB3-11,12	J3L	77	46	6	YES			N
7A	TB5-5,6	J5U	57	7	7	YES			S
7B	TB5-7,8	J5L	57	7	7	YES			S
8A	TB7-5,6	J8U	50	28	8	YES			S
8B	TB7-7,8	J8L	50	28	8	YES			S
*S2A	TB6-9,10	I9U	60	11	SYS	NO			N
*S2B	TB6-11,12	I9L	62	13	SYS	NO			N
*S2C	TB6-3,4	I7L	78	44	SYS	NO			N
*S4A	TB4-9,10	I6U	41	4	SYS	NO			N
*S4B	TB4-11,12	I6L	45	14	SYS	NO			N
*S4C	TB6-1,2	I7U	65	34	SYS	NO			N
*S6A	TB7-9,10	J9U	59	15	SYS	NO			N
*S6B	TB7-11,12	J9L	61	17	SYS	NO			N
*S6C	TB7-3,4	J7L	79	48	SYS	NO			N
*S8A	TB5-9,10	J6U	42	8	SYS	NO			N
*S8B	TB5-11,12	J6L	46	18	SYS	NO			N

* System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0095
 DESIGNED: October 2015
 SEALED: 4/19/2016
 REVISED:

Electrical Detail

Prepared In the Offices of:
 Transportation Mobility and Safety Solutions
 750 N. Greenfield Pkwy, Garner, NC 27529

US 401 Bypass (Skibo Road) at SR 1404 (Morganton Road)
 Division 6 Cumberland County Fayetteville
 PLAN DATE: April 2016 REVIEWED BY: BAS
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030530 ZACHARY M. LITTLE

Documented by: Zachary M. Little 5/17/2016
 DATE

SIG. INVENTORY NO. 06-0095

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