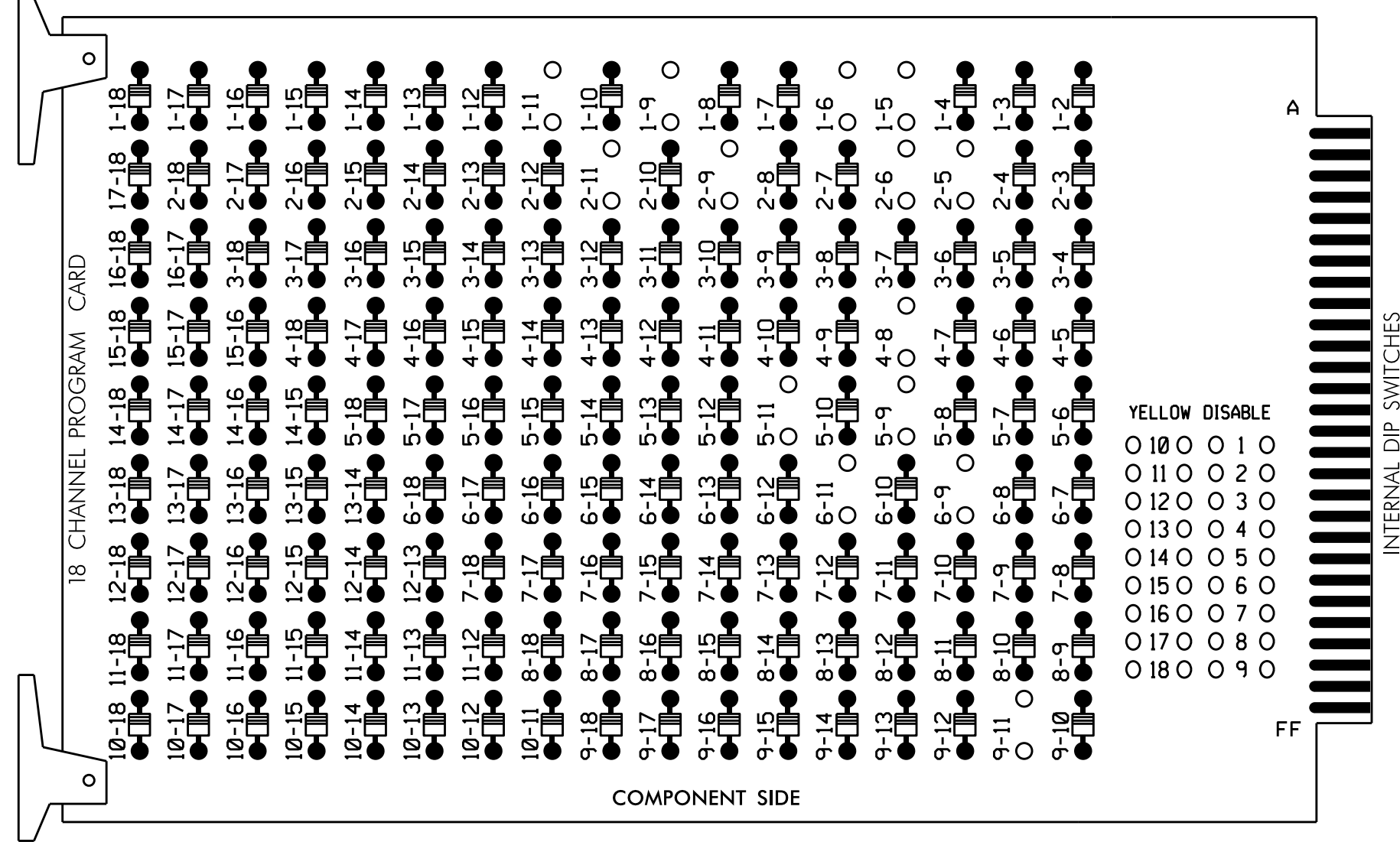


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

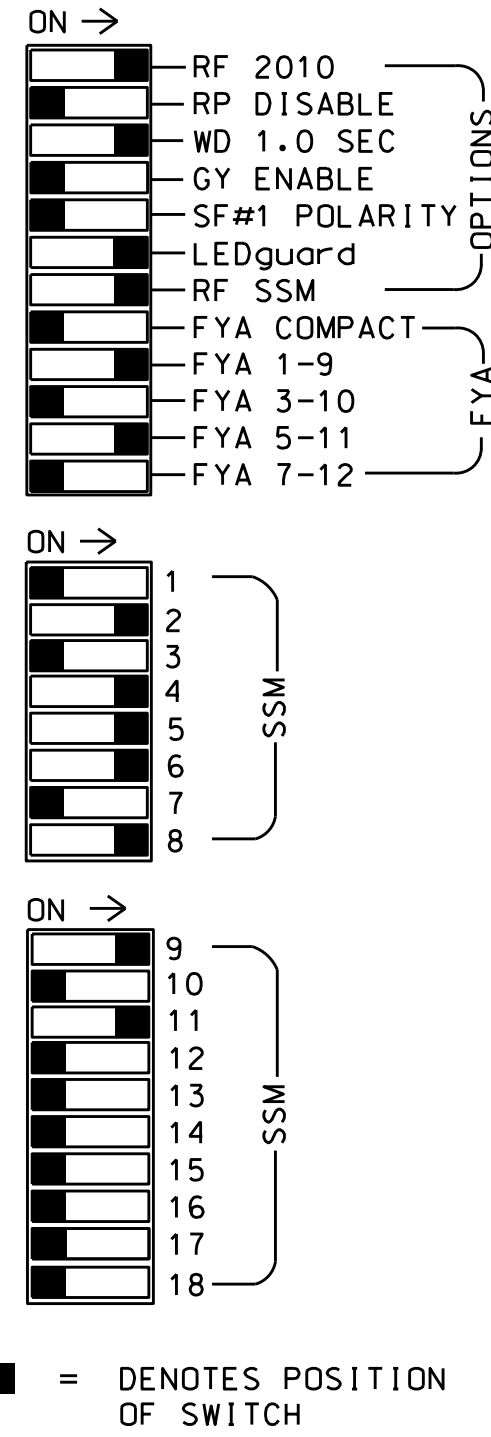
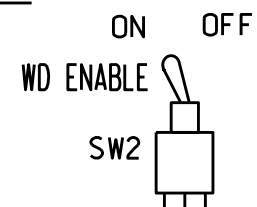
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 4-8, 5-9, 5-11, 6-9, 6-11 and 9-11.



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.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- 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,S5,S7,S8,S11,AUX S1,
 AUX S4
 PHASES USED.....1,2,4,5,6,8
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

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	22,23, 24,25	NU	NU	41,42	NU	42	51,52	62,63, 65,66	NU	NU	81,82, 83,84	NU	11,12	NU	NU	51,52	NU
RED		128			101		*		134			107						
YELLOW	*	129			102				135			108						
GREEN		130			103				136			109						
RED ARROW													A121				A114	
YELLOW ARROW							132						A122				A115	
FLASHING YELLOW ARROW													A123				A116	
GREEN ARROW	127							133	133									

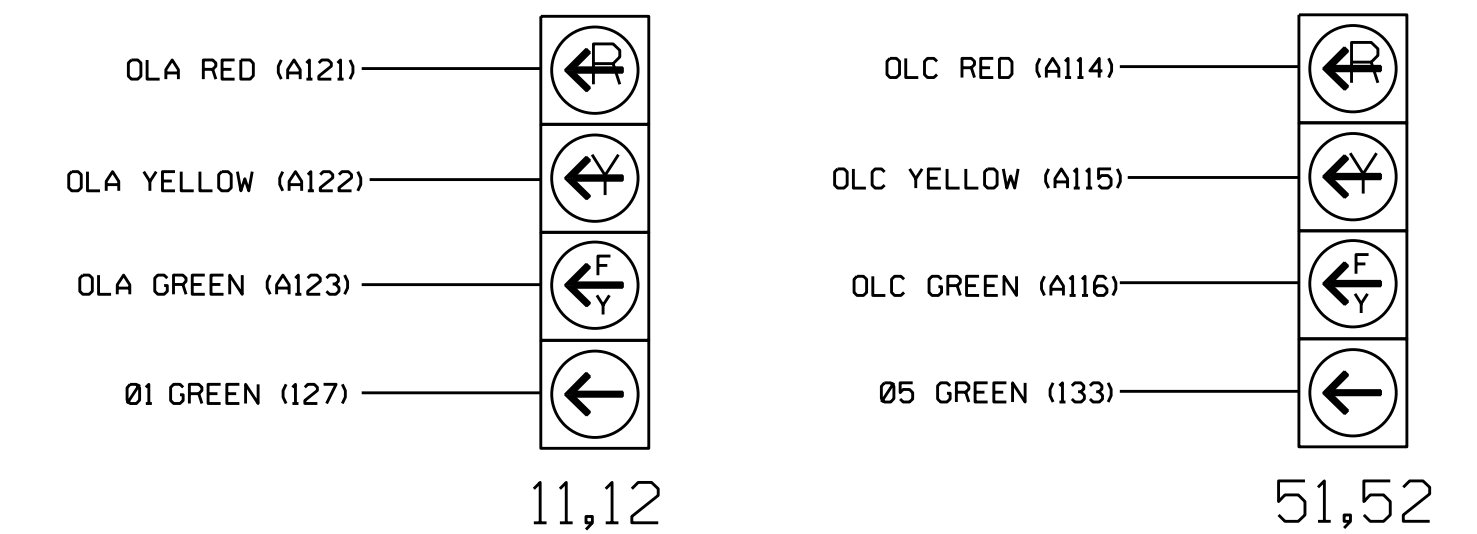
NU = Not Used

* Denotes install load resistor. See load resistor installation detail sheet 2.

* See pictorial of head wiring in detail below.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	∅ 2	∅ 1	∅ 4	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	FS
L	1A	2A,2B	2E,2F	1B	4A	8A	8B	8C	8D	8E	8F	8G	8H	DC ISOLATOR
U	∅ 5	∅ 5	∅ 6	∅ 5	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	DC ISOLATOR
L	5A	5B	6C,6D	5C	8A	8B	8C	8D	8E	8F	8G	8H	8I	DC ISOLATOR

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

FS = FLASH SENSE
 ST = STOP TIME

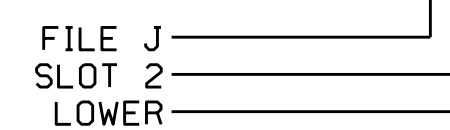
⊗ Wired Input - Do not populate slot with detector card

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 ¹	TB2-1,2	I1U	56	1	1	YES		15	S
	-	J4U	48	26	6	YES			S
1B ²	TB4-5,6	I5U	58	3	1	YES		10	S
	-	J8U	50	28	6	YES			S
2A,2B	TB2-5,6	I2U	39	2	2	YES	1.9		S
2C,2D	TB2-7,8	I2L	43	12	2	YES	3.3		S
2E,2F	TB2-9,10	I3U	63	32	2	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
5A ³	TB3-1,2	J1U	55	5	5	YES		10	S
	-	I4U	47	22	2	YES			S
5B	TB3-5,6	J2U	40	6	5	YES		15	S
5C ⁴	TB5-5,6	J5U	57	7	5	YES		15	S
	-	I8U	49	24	2	YES			S
6A,6B	TB3-7,8	J2L	44	16	6	YES	1.9		S
6C,6D	TB3-9,10	J3U	64	36	6	YES	3.7		S
6E,6F	TB3-11,12	J3L	77	46	6	YES			S
8A	TB5-9,10	J6U	42	8	8	YES		3	S
8B	TB5-11,12	J6L	46	18	8	YES		15	S
8C	TB7-1,2	J7U	66	38	8	YES		10	S

- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

Electrical AND PROGRAMMING DETAILS FOR:
 US 401 (Ramsey Street) at Kinlaw Road/Aloha Drive and Ridgeway Drive

Division 6 Cumberland County Fayetteville
 PLAN DATE: June 2016 REVIEWED BY: BAS
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS: INIT. DATE

DocuSigned by: *Casper M. Little* 6/17/2016
 002TEPDRF531F DATE

SIG. INVENTORY NO. 06-1139