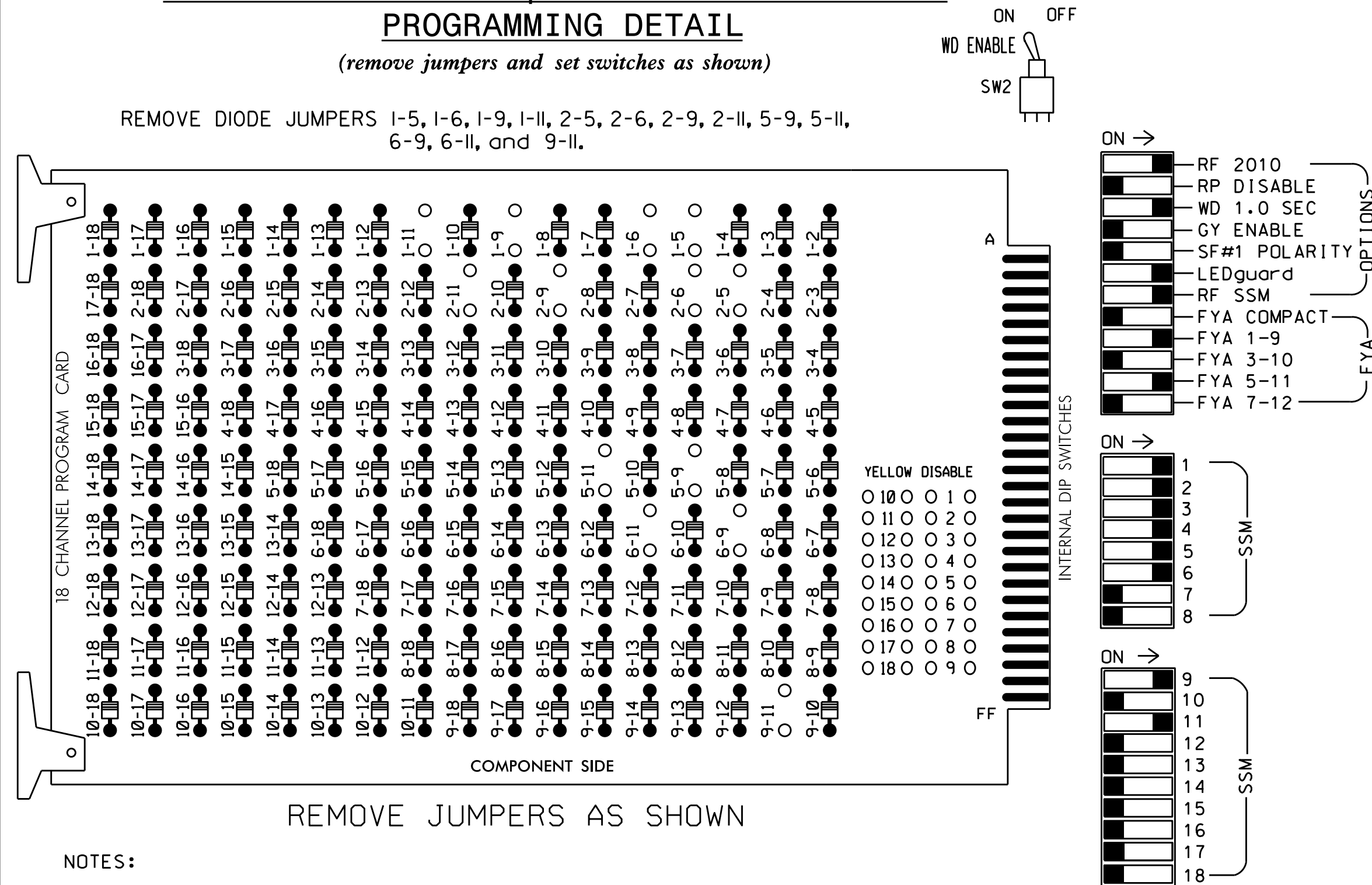


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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, 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.

INPUT FILE POSITION LAYOUT

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
FILE "I"	∅ 1 1A	∅ 1 1B	∅ 2 2A,2B	∅ 3 3A	∅ 4 4A	∅ 5 5A	∅ 5 5B	∅ 6 6A,6B,6C	FS	FS	FS	FS	FS	FS	FS	FS
	NOT USED	NOT USED	NOT USED	NOT USED	∅ 4 4B											DC ISOLATOR ST DC ISOLATOR
FILE "J"	∅ 5 5A	∅ 5 5B	∅ 6 6A,6B,6C	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
	NOT USED	NOT USED	NOT USED													

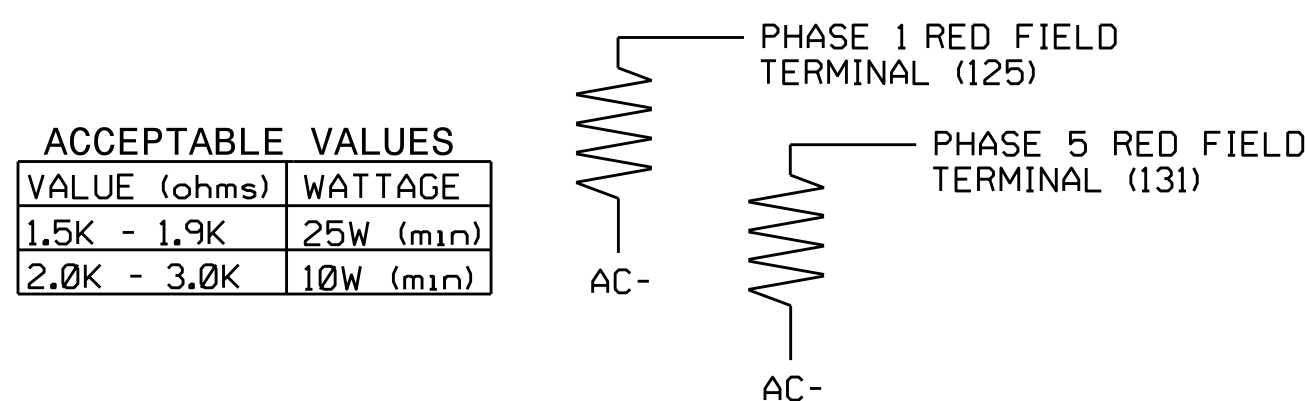
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

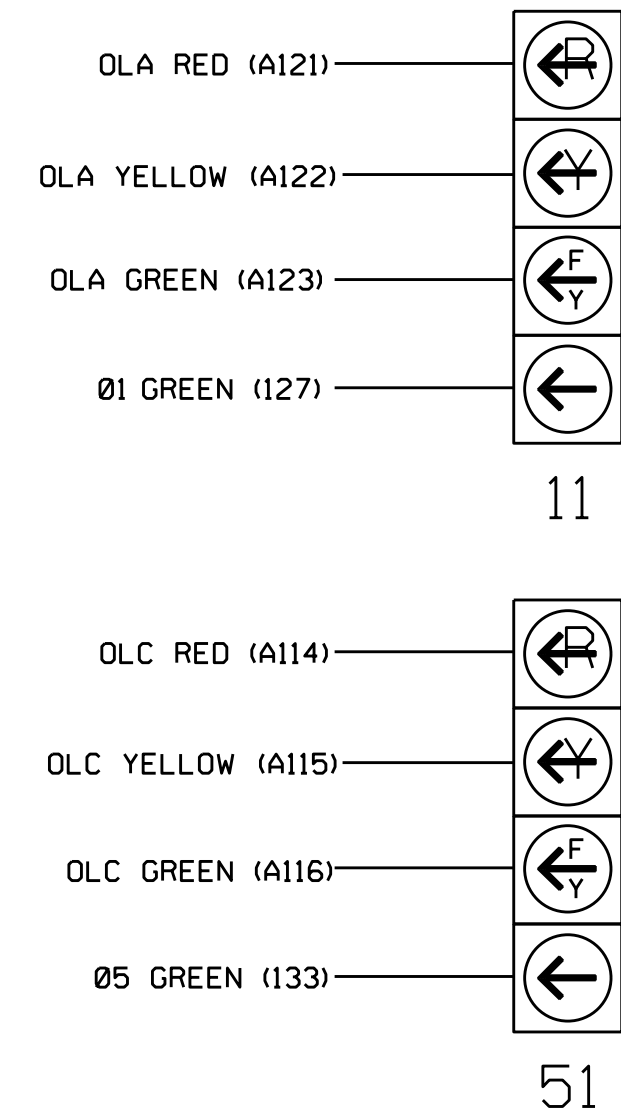
LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



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	32	21,22	NU	22	31	32	41	42	43	62	NU	43	51	61,62	63	NU	NU	NU	NU	11	NU	NU	51	NU	NU	
RED	*		128		116	116		101	101				*	134													
YELLOW			129		117	117		102	102					135													
GREEN			130		118	118		103	103					136													
RED ARROW								101																			
YELLOW ARROW		126			117			102			102	132															
FLASHING YELLOW ARROW																											
GREEN ARROW	127	127			118	118		103	103		103	133	133														

NU = Not Used

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

★ See pictorial of head wiring in detail this sheet.

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,AUX S1,AUX S4
 PHASES USED.....1,2,3,4,5,6
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

NOTES

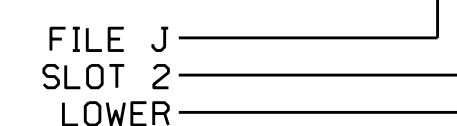
- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Fayetteville Signal System.

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		3	S
	1B	TB2-5,6	I2U	39	2	YES		15	S
	2A,2B	TB2-9,10	I3U	63	32	2	YES		S
5A ²	3A	TB4-5,6	I5U	58	3	YES		3	S
	4A	TB4-9,10	I6U	41	4	YES			S
	4B	TB4-11,12	I6L	45	14	4	YES		S
	5A ²	TB3-1,2	J1U	55	5 ★	5	YES	15	S
6A,6B,6C	-	I4U	47	22 ★	2	YES		3	S
	5B	TB3-5,6	J2U	40	6	5	YES	15	S
	6A,6B,6C	TB3-9,10	J3U	64	36	6	YES		S

- Add jumper from I1-W to J4-W, on rear of input file.
 - Add jumper from J1-W to I4-W, on rear of input file.
- ★ See vehicle detector setup programming detail for alternate phasing on sheet 2.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0771
 DESIGNED: December 2015
 SEALED: 7/6/2016
 REVISED: N/A

Electrical Detail Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
 TRANSPORTATION MOBILITY AND SAFETY ADMINISTRATION
 NORTH CAROLINA DIVISION OF TRANSPORTATION
 Signal Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

US 401 (Ramsey Street) at Northgate Shopping Center and Entrance to Wendy's

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2016 REVIEWED BY:
 PREPARED BY: Keith Mims REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by:
 Zachary M. Little 7/18/2016
 0C21EF04F5341F DATE

SIG. INVENTORY NO. 06-0771

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