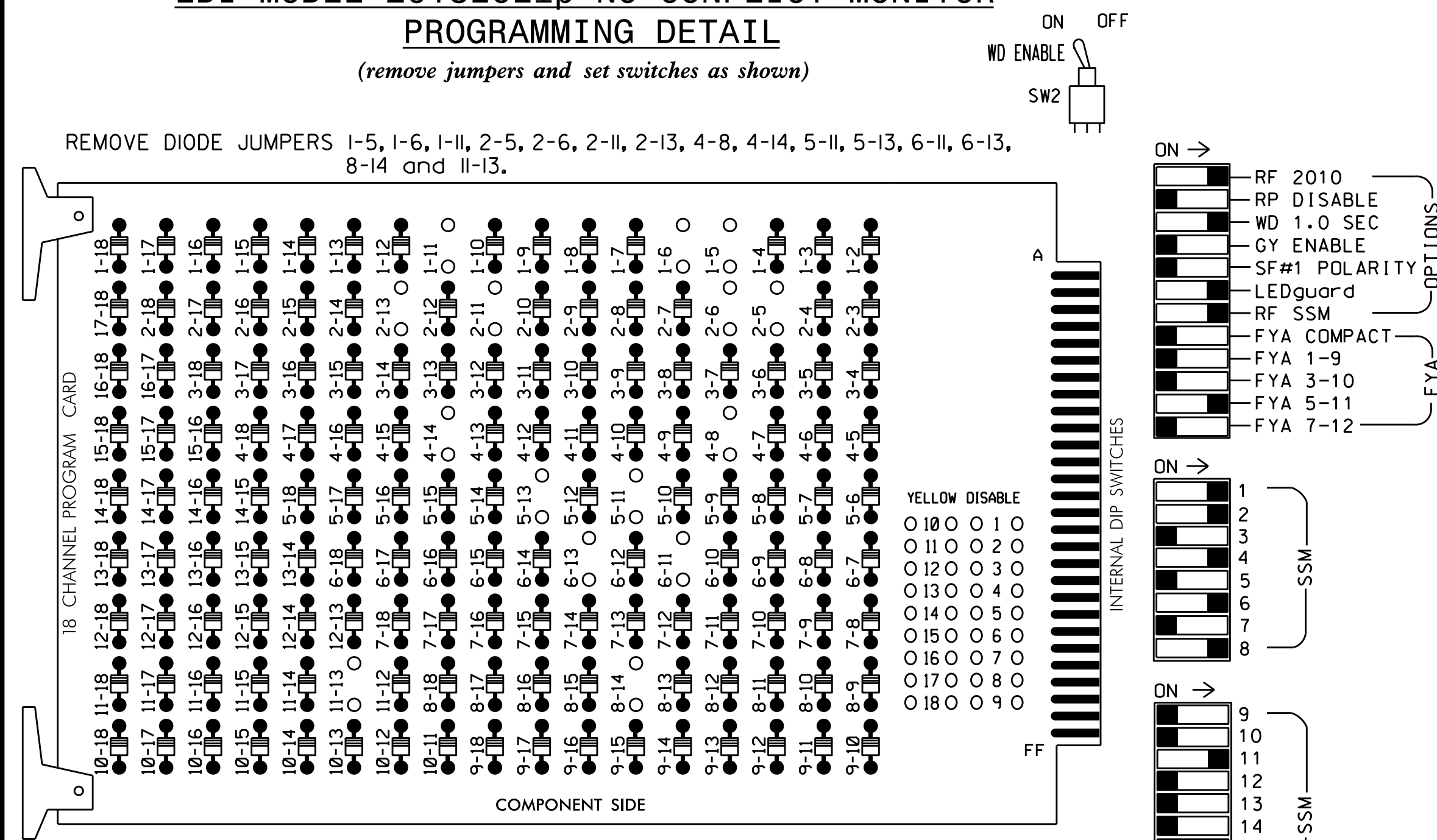


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE DIODE JUMPERS 1-5, 1-6, 1-11, 2-5, 2-6, 2-11, 2-13, 4-8, 4-14, 5-11, 5-13, 6-11, 6-13, 8-14 and 11-13.

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 phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Walk 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,S3,S5,S6,S7,S8,S11,
 AUX S4
 PHASES USED.....1,2,4,5,6,8,2 PED,4 PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....NOT USED
 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	21,22	P21, P22	NU	41,42	P41, P42	51	61,62	NU	NU	81,82	NU	NU	NU	NU	51	NU	NU
RED		128			101			134			107							
YELLOW		129			102		*	135			108							
GREEN		130			103			136			109							
RED ARROW	125																	A114
YELLOW ARROW	126																	A115
FLASHING YELLOW ARROW																		A116
GREEN ARROW	127						133											
Hand icon			113			104												
Walking person icon			115			106												

NU = Not Used

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

★ See pictorial of head wiring in detail this sheet.

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/SYS	∅S	∅S	∅S	∅ 4	∅ 4	∅S	∅S	∅S	∅S	∅2 PED	∅S	FS
L	1A	2A/S2A	∅S	∅S	∅S	4A	4C	∅S	∅S	∅S	∅S	DC ISOLATOR	∅S	DC ISOLATOR
U	NOT USED	∅2/SYS	∅S	∅S	∅S	∅ 4	NOT USED	∅S	∅S	∅S	∅S	∅4 PED	∅S	ST
L		2B/S2B	∅S	∅S	∅S	4B		∅S	∅S	∅S	∅S	DC ISOLATOR	∅S	DC ISOLATOR
U	∅ 5	∅6/SYS	∅S	∅S	∅S	∅ 8	∅S	∅S	∅S	∅S	∅S	∅S	∅S	∅S
L	5A	6A/S6A	∅S	∅S	∅S	8A	∅S	∅S	∅S	∅S	∅S	∅S	∅S	∅S
U	NOT USED	∅6/SYS	∅S	∅S	∅S	∅ 8	∅S	∅S	∅S	∅S	∅S	∅S	∅S	∅S
L		6B/S6B	∅S	∅S	∅S	8B	∅S	∅S	∅S	∅S	∅S	∅S	∅S	∅S

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

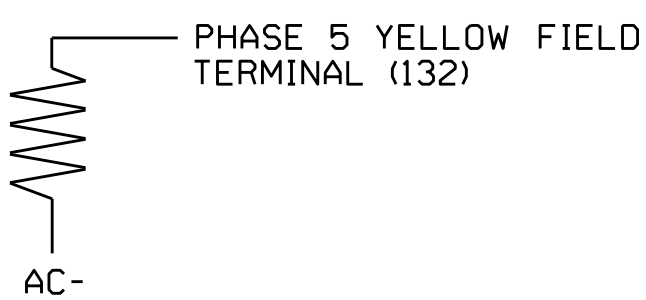
FS = FLASH SENSE
 ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



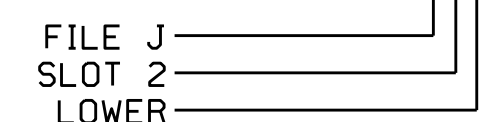
INPUT FILE CONNECTION & PROGRAMMING CHART

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
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES		10	S
4C	TB6-1,2	I7U	65	34	4	YES		15	S
5A ¹	TB3-1,2	J1U	55	5	5	YES		15	S
		I4U	47	22	2	YES		3	G
6A/S6A	TB3-5,6	J2U	40	6	6/SYS	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6/SYS	YES			N
8A	TB5-9,10	J6U	42	8	8	YES			S
8B	TB5-11,12	J6L	46	18	8	YES		10	S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED				

NOTE:
 INSTALL DC ISOLATOR IN INPUT FILE SLOT I12.

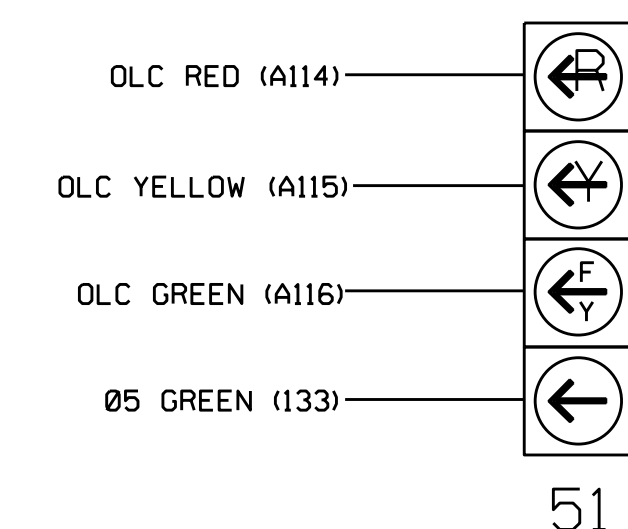
¹Add jumper from J1-W to I4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0482
 DESIGNED: March 2016
 SEALED: 10-12-16
 REVISED: N/A

Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

SR 1403 (Reilly Road) at Kimridge Road/Willowbrook Road
 Division 6 Cumberland County Fayetteville

PLAN DATE: October 2016 REVIEWED BY:
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: _____ INIT. DATE

Sealed by: Keith M. Mims, Professional Engineer, No. 036880
 Date: 10/17/2016
 Sig. Inventory No. 06-0482

13-0017-2016-07-07
 S:\112531\112531\S\Sigmod\work\hgr\oups\51g_Mon\Peter.son\060482_smc.e...xxx.dgn
 J.peterson