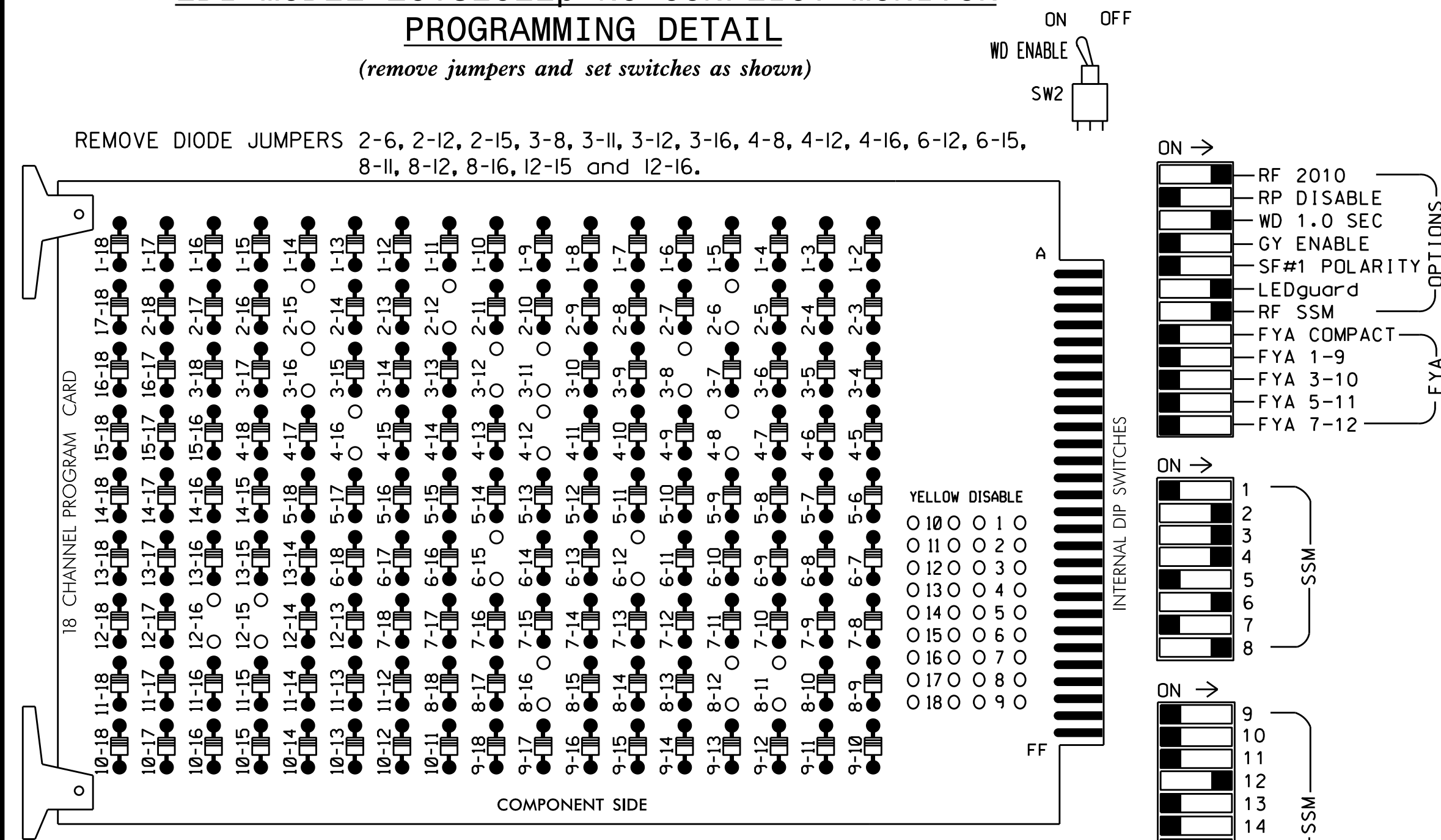


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE DIODE JUMPERS 2-6, 2-12, 2-15, 3-8, 3-11, 3-12, 3-16, 4-8, 4-12, 4-16, 6-12, 6-15, 8-11, 8-12, 8-16, 12-15 and 12-16.

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 phase 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 Green and 6 Walk.
- 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.....S2,S4,S5,S8,S9,S11,S12,
 AUX S4,AUX S5
 PHASES USED.....2,3,4,6,8,*9,6 PED,8 PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....*
 OVERLAP "E".....NOT USED
 OVERLAP "F".....NOT USED
 OVERLAP "G".....*
 OVERLAP "H".....*

* See overlap programming detail on sheet 2
 * Used during preempt only.

SIGNAL HEAD HOOK-UP CHART

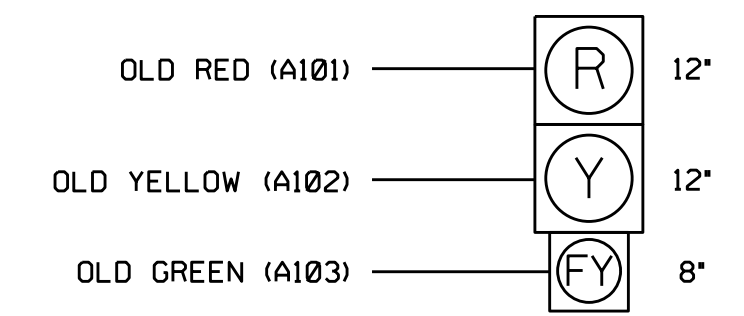
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	OLG	4	4 PED	5	6	6 PED	7	OLH	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	31,32	41,42	NU	NC	61,62	P61, P62	NU	81,82	P81, P82	NU	NU	NU	55	51,52, 53,54	NU
RED		128			101			134			107					A114	A101	
YELLOW		129			102			135			108					A115	A102	
GREEN		130			103			136			109					A116		
RED ARROW					116													
YELLOW ARROW					117													
GREEN ARROW					118													
Hand									119			110						
Walking										121								

NU = Not Used

8" Flashing Yellow → A103

SIGNAL HEAD 51,52,53,54 WIRING DETAIL

(wire signal heads as shown)



51,52,53,54

NOTE See Overlap Programming Detail on sheet 2 for information regarding OLD Green.

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	∅S	∅2	∅2	∅S	∅3	∅4	∅S	∅S	∅S	∅S	∅S	∅S	∅6PED	FS
		2A	2C	3A,3B	4A,4B	∅8PED	ST	DC ISOLATOR	DC ISOLATOR						
"J"	U	∅S	∅6	∅S	∅S	∅S	∅8	∅S	∅S	∅S	∅S	∅S	∅S	∅S	NOT USED
		6A	6B	NOT USED	8A	NOT USED	PRE2	AC ISOLATOR							

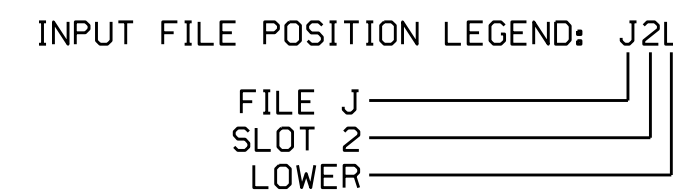
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME
 PRE2 = EV PREEMPT

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
2A	TB2-5,6	I2U	39	2	2	YES			N
2B	TB2-7,8	I2L	43	12	2	YES			N
2C	TB2-9,10	I3U	63	32	2	YES		3	S
3A,3B	TB4-5,6	I5U	58	3	3	YES			S
4A,4B	TB4-9,10	I6U	41	4	4	YES			S
4C	TB4-11,12	I6L	45	14	4	YES		15	S
6A	TB3-5,6	J2U	40	6	6	YES			N
6B	TB3-7,8	J2L	44	16	6	YES		3	S
8A	TB5-9,10	J6U	42	8	8	YES			S
PED PUSH BUTTONS									
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED				

NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT 113.



COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

Electrical and Programming Details for: SR 1408 (Bonanza Drive) at SR 1437/SR 2750 (Santa Fe Drive)

Division 6 Cumberland County Fayetteville

PLAN DATE: October 2016 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

Seal: Keith M. Mims, Professional Engineer, No. 036880

DocuSigned by: Keith M. Mims 10/21/2016

SIG. INVENTORY NO. 06-0453

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