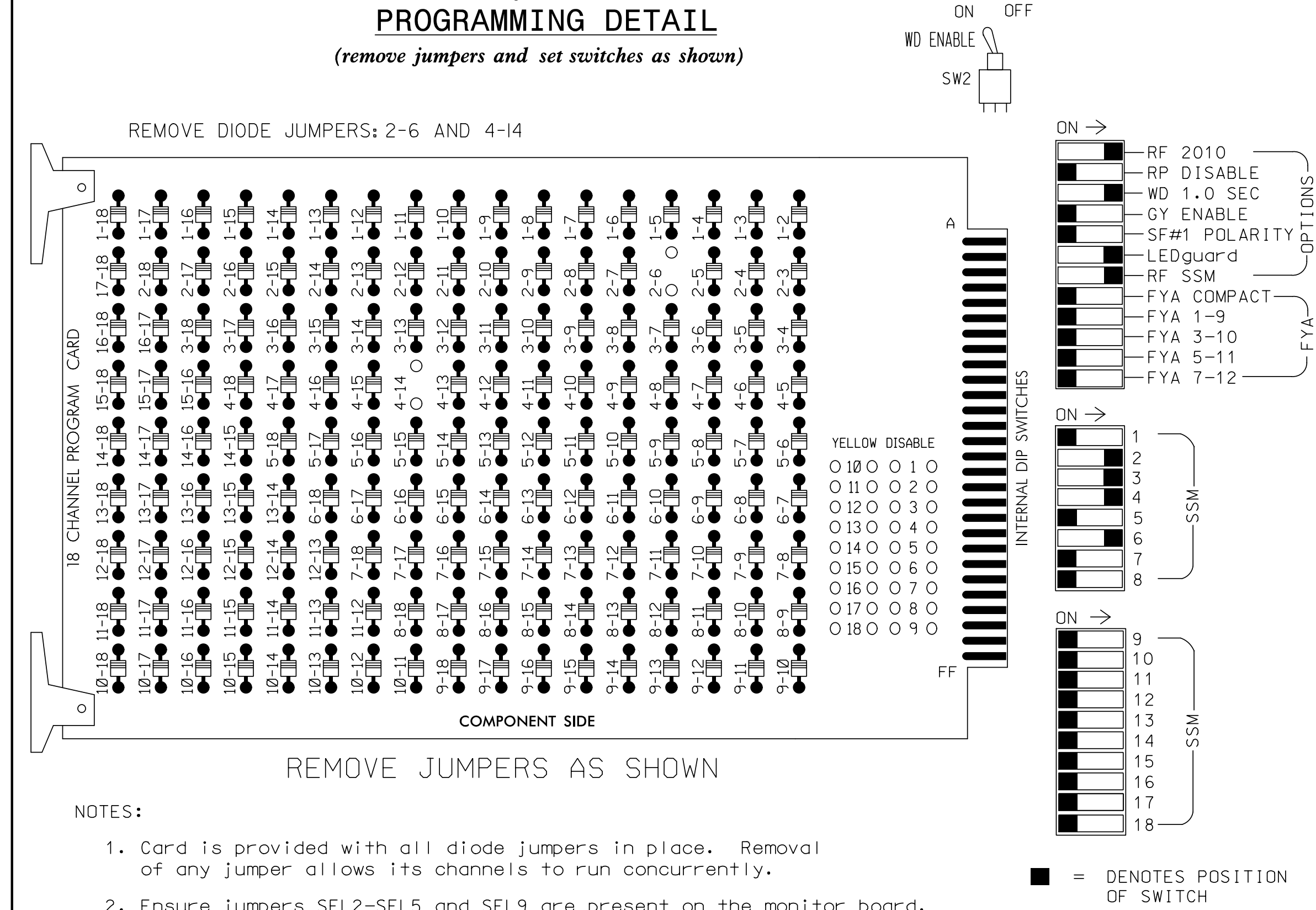


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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.
- 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.

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,S6,S8
 PHASES USED.....2,3,4,4PED,6
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....NOT USED
 OVERLAP "D".....NOT USED

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.	NU	21,22,23	NU	23, 31,32, 33,34	41, 42	P41, P42	NU	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED	128			116	101	101		134										
YELLOW	129			117	102	102		135										
GREEN	130			118	103	103		136										
RED ARROW				116														
YELLOW ARROW				117	117													
FLASHING YELLOW ARROW																		
GREEN ARROW				118	118	103												
								104										
								106										

NU = Not Used

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.

INPUT FILE POSITION LAYOUT

(front view)

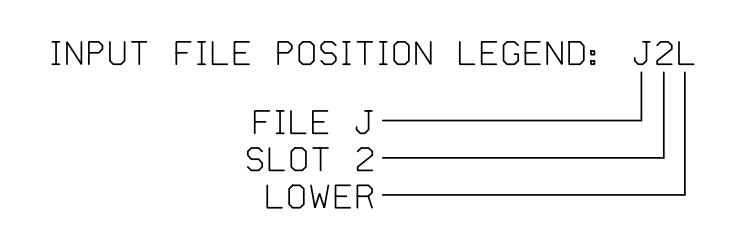
FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	S	∅2/SYS	∅2	∅3	∅3	∅4	∅3	∅4	∅3	∅4	∅3	∅4	∅3	∅4	∅3
	L	2A/S2A	2C	3A	3B	4A	3A	3B	4A	3B	4A	3B	4A	3B	4A
"J"	S	∅6/SYS	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6	∅6
	L	6A/S6A	6C	6C	6C	6C	6C	6C	6C	6C	6C	6C	6C	6C	6C

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
2A/S2A	TB2-5,6	I2U	39	2	2/SYS	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2/SYS	YES			N
2C	TB2-9,10	I3U	63	32	2	YES		3	G
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-9,10	I6U	41	4	3	YES			S
3C	TB4-11,12	I6L	45	14	3	YES		10	S
4A	TB6-1,2	I7U	65	34	4	YES		3	S
4B	TB6-3,4	I7L	78	44	4	YES		10	S
6A/S6A	TB3-5,6	J2U	40	6	6/SYS	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6/SYS	YES			N
6C	TB3-9,10	J3U	64	36	6	YES		3	G
PED PUSH BUTTONS									
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED				



NOTE:
 INSTALL DC ISOLATOR IN INPUT FILE SLOT I12.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1266
 DESIGNED: June 2016
 SEALED: 6/17/2016
 REVISED:

9/16/2016 K:\MAIL_TPT\K\SIGNALS\4011036345 Fayetteville E:\Electr\Coals\654 - Signal Design\4th Submittal\42221_061266-2016e.dgn Susan Pennington

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Electrical AND PROGRAMMING DETAILS FOR: **NC 162 (Bingham Dr./Bunce Rd.)**

at **SR 1141 (Bingham Dr.)/ SR 3328 (Marykirk Dr.)**

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2016 REVIEWED BY: SL Phillips

PREPARED BY: SP Pennington REVIEWED BY: KB Baumann

REVISIONS INIT. DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER STACIE L. PHILLIPS SEAL 032607

DocuSigned by: *SLP* 9/16/2016

SIG. INVENTORY NO. 06-1266