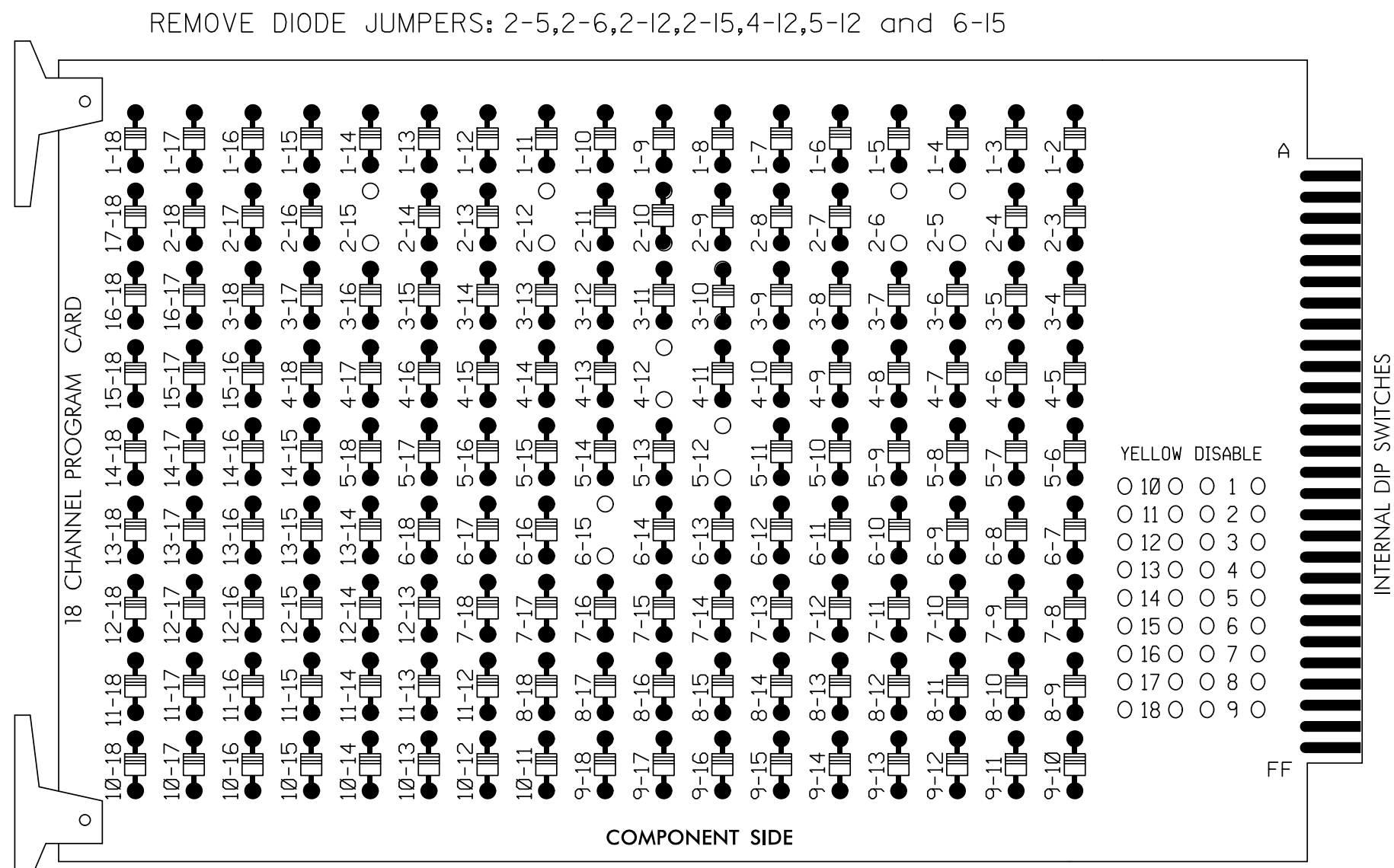


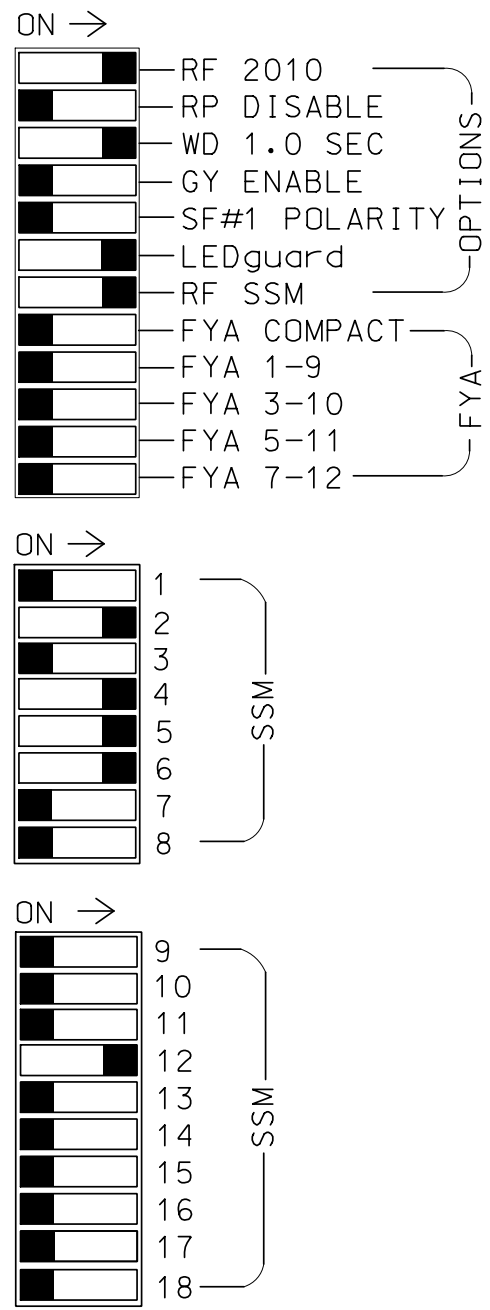
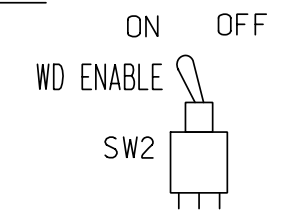
EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.



■ = DENOTES POSITION OF SWITCH

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 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,S5,S7,S8,S9,AUX S5
 PHASES USED.....2,4,5,6,6PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....NOT USED
 OVERLAP "D".....4+5

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	NU	41,42 63	NU	51,52	61,62 63	P61, P62	NU	NU	NU	NU	NU	NU	NU	43,44	NU
RED		128							134									A101
YELLOW		129							135									
GREEN		130							136									
RED ARROW					101				131									
YELLOW ARROW					102	102			132									A102
GREEN ARROW					103	103			133									A103
Hand icon													119					
Walking person icon													121					

NU = Not Used

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

TOGGLE THREE TIMES

OVERLAP D

Select TMG VEH OVLP [D] and 'NORMAL'

TMG VEH OVLP...[D] TYPE:**NORMAL**
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
 INCLUDED . . . X X

LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1341
 DESIGNED: January 2016
 SEALED: 5/16/2016
 REVISED:

INPUT FILE POSITION LAYOUT

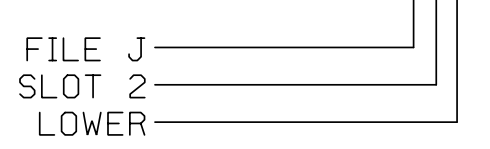
(front view)

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

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

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE POSITION LEGEND: J2L



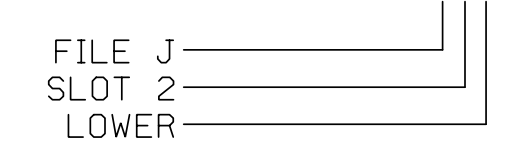
INPUT FILE CONNECTION & PROGRAMMING CHART

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			N
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES			S
4C	TB6-1,2	I7U	65	34	4	YES		15	S
4D	TB6-3,4	I7L	78	44	4	YES		15	S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES			S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
6C	TB5-1,2	J4U	48	26	6	YES			N
PED PUSH BUTTONS									
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				

NOTE:

INSTALL DC ISOLATORS IN INPUT FILE SLOT 113.

INPUT FILE POSITION LEGEND: J2L



FLASHER CIRCUIT MODIFICATION DETAIL

In order to ensure that signals flash concurrently on the Same approach, make the following flasher circuit changes:

- On rear of PDA - remove wire from Term. T2-4 and terminate on T2-2.
- On rear of PDA - remove wire from Term. T2-5 and terminate on T2-3.
- Remove flasher unit 2.

The changes listed above ties all phases and overlaps to flasher unit 1.

Electrical Detail

Electrical AND PROGRAMMING DETAILS FOR:

Prepared For: **Kimley Horn**

PLANS PREPARED IN THE OFFICE OF: **Kimley Horn**
 NC License #F-0102
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601
 (919) 677-2000

NC 24-87 (Bragg Boulevard) at Coalition Boulevard

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2016 REVIEWED BY: KP Baumann

PREPARED BY: SP Pennington REVIEWED BY: SL Phillips

REVISIONS INIT. DATE

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

9/1/2016

SIG. INVENTORY NO. 06-1341

8/21/2016 K:\MAIL_TPOK\SIGNALS\4011036345 Fayetteville Electr\Coals654 - Signal Design\3rd Submittal\42481-061341-2016e.dgn Susan Pennington