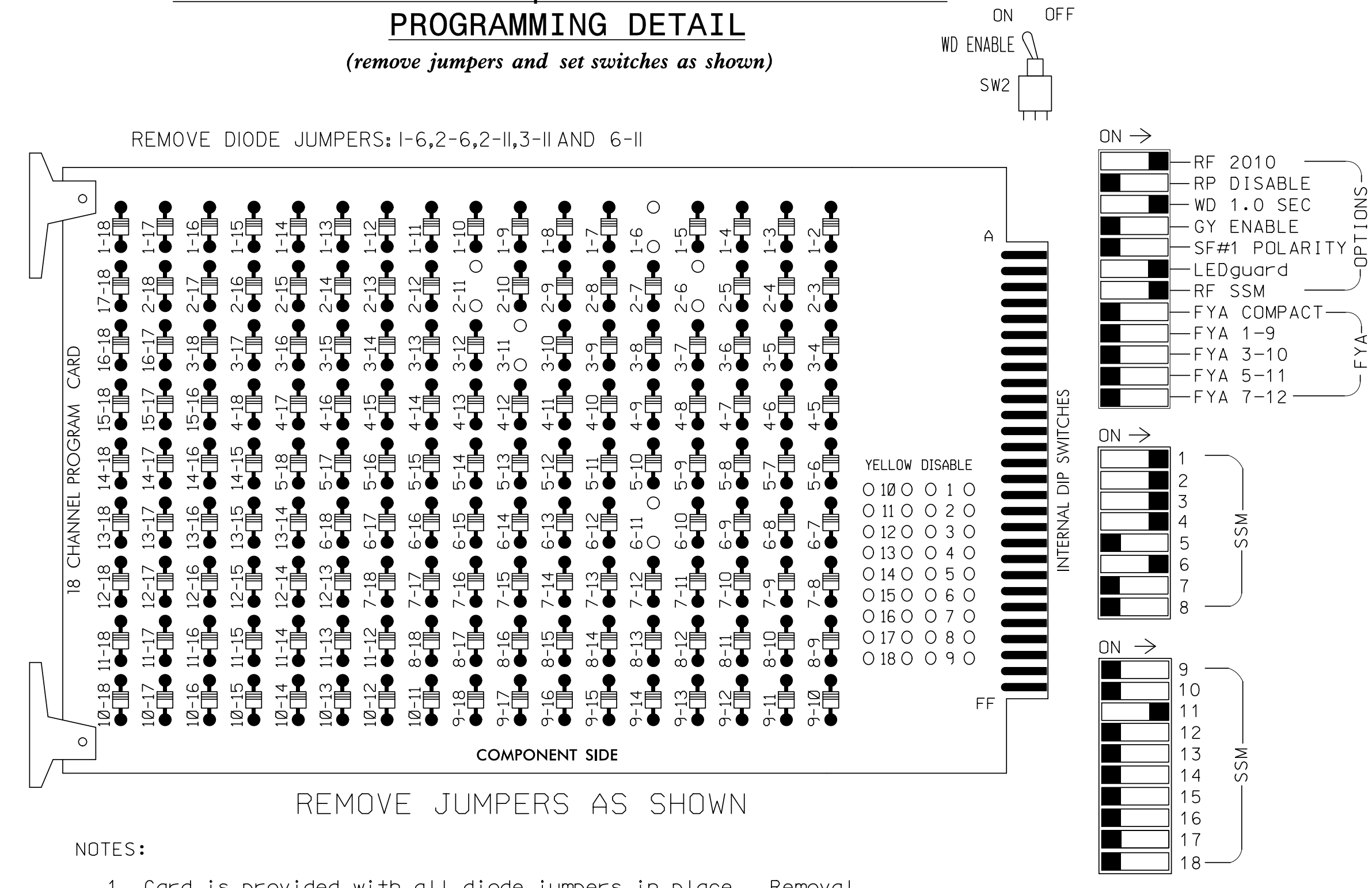


### EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

### NOTES

1. 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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Green.
5. 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,S4,S5,S8,AUX S4  
 PHASES USED.....1,2,3,4,6  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....2+3  
 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.	11,12	21,22 23	NU	31,32	41	42,43	NU	NU	61,62 63,64	NU	NU	NU	NU	NU	NU	24,25	NU	NU
RED	128			101	101				134									A114
YELLOW	129			102	102				135									
GREEN	130			103	103				136									
RED ARROW	125			116														
YELLOW ARROW	126			117														A115
GREEN ARROW	127			118	103													A116

NU = Not Used

### ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select
2. From CONTROLLER Submenu select

TOGGLE TWICE

OVERLAP C

Select TMG VEH OVLP [C] and 'NORMAL'

TMG VEH OVLP...[C] TYPE:

PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

INCLUDED . X X . . . . .

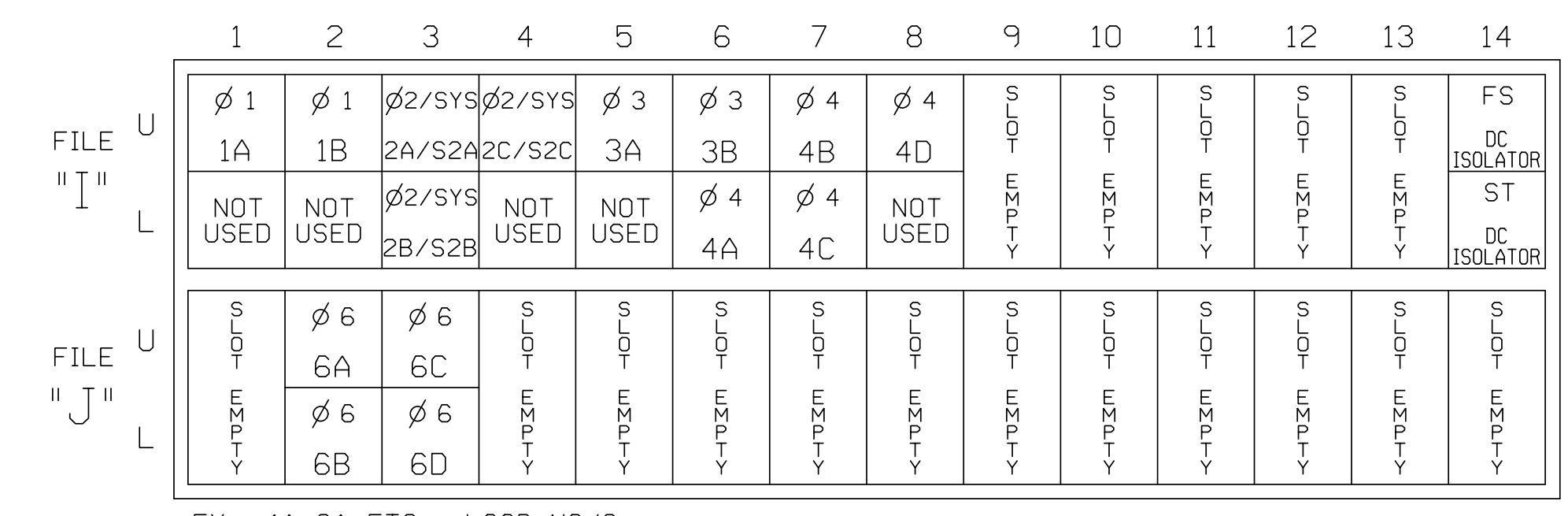
LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1301  
 DESIGNED: January 2016  
 SEALED: 5/6/2016  
 REVISED:

### INPUT FILE POSITION LAYOUT

(front view)



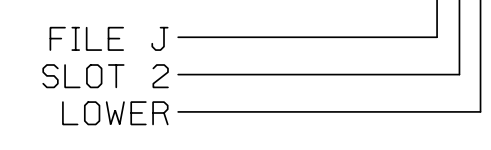
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-5,6	I2U	39	2	1	YES			S
2A/S2A	TB2-9,10	I3U	63	32	2	YES			N
2B/S2B	TB2-11,12	I3L	76	42	2	YES			N
2C/S2C	TB4-1,2	I4U	47	22	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-9,10	I6U	41	4	3	YES			S
4A	TB4-11,12	I6L	45	14	4	YES			S
4B	TB6-1,2	I7U	65	34	4	YES			S
4C	TB6-3,4	I7L	78	44	4	YES			S
4D	TB6-5,6	I8U	49	24	4	YES		15	S
6A	TB3-5,6	J2U	40	6	6	YES			N
6B	TB3-7,8	J2L	44	16	6	YES			N
6C	TB3-9,10	J3U	64	36	6	YES			N
6D	TB3-11,12	J3L	77	46	6	YES			N

INPUT FILE POSITION LEGEND: J2L



9/16/2016 K:\REAL\_TPOK\SIGNALS\4011036345 Fayetteville File Electrical\061301-2016e.dgn Susan Pennington

### Electrical Detail

Electrical AND PROGRAMMING DETAILS FOR: **NC 24 (Bragg Boulevard) at I-295 (Fayetteville Outer Loop) Eastbound (Ramp C/Loop D)**

Prepared For: **Kimley-Horn**  
 NC License #F-0102  
 421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601  
 (919) 677-2000

PLANS PREPARED IN THE OFFICE OF: **Kimley-Horn**  
 750 N. Greenfield Pkwy, Garner, NC 27529  
 (919) 677-2000

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  
 SEAL 032607  
 SL PHILLIPS  
 9/16/2016  
 DATE  
 SIG. INVENTORY NO. 06-1301

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED