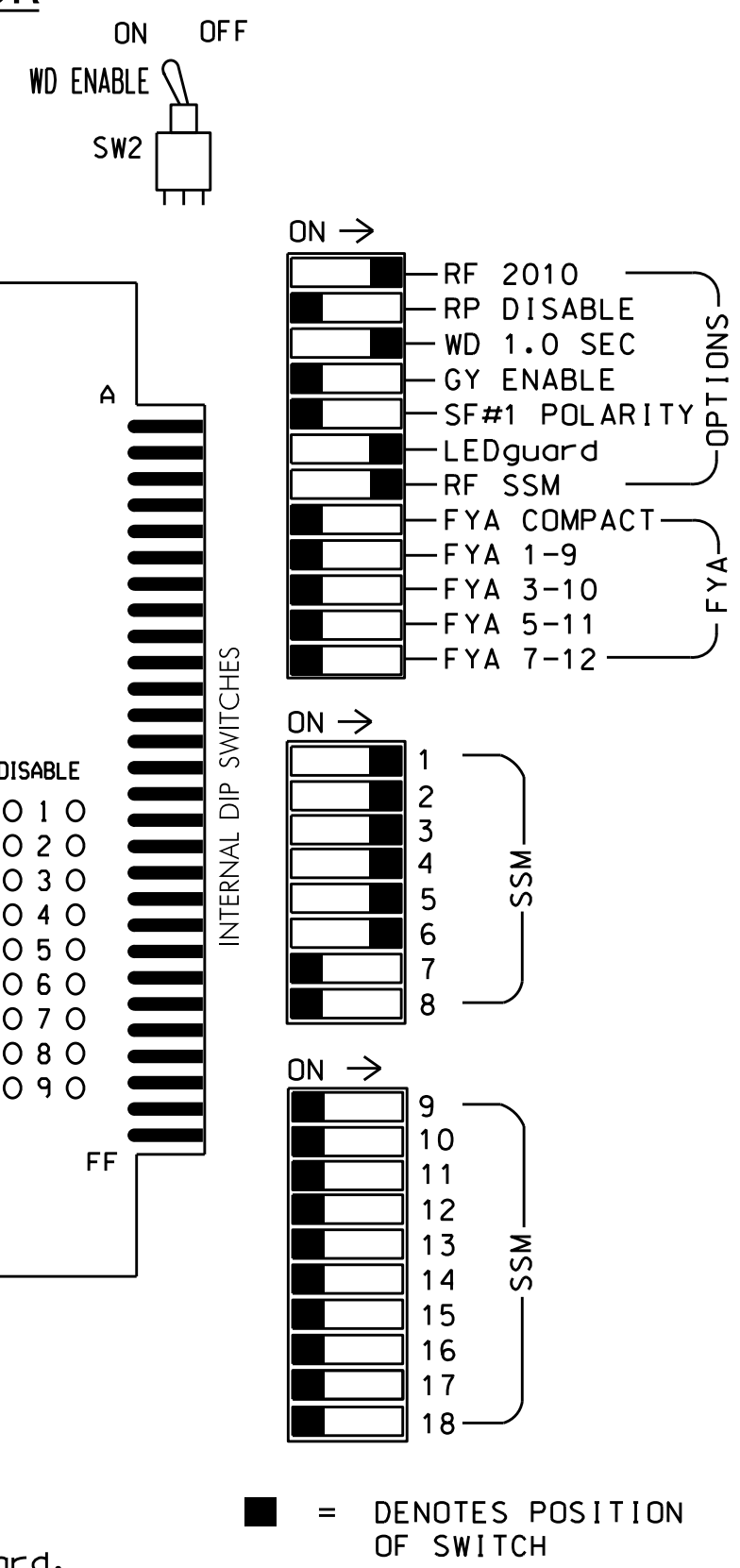
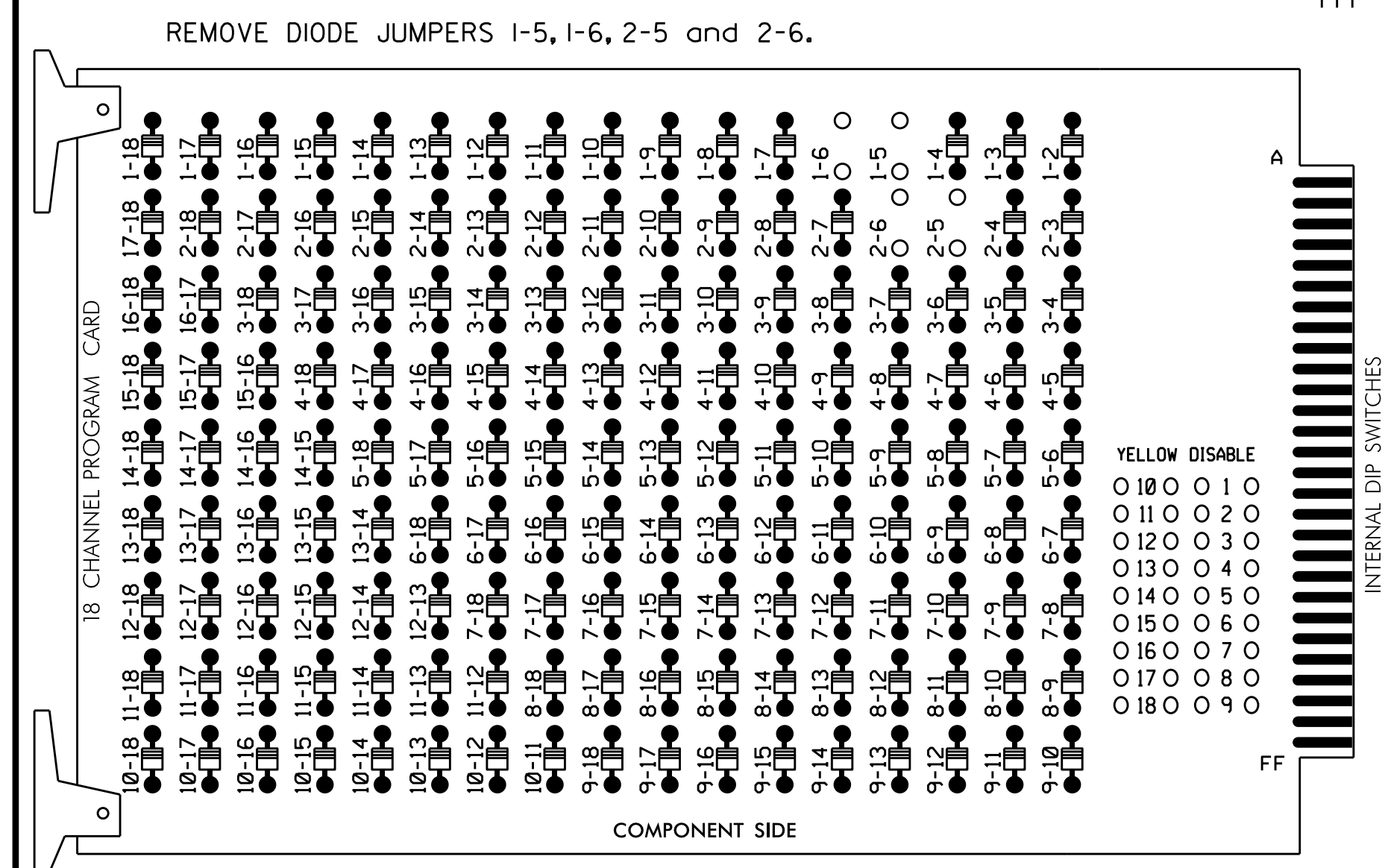


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(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.

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 | 32 | 21,22 | NU | 22 | 31 | 32 | 41 | 42 | NU | 42 | 51 | 61,62 | NU | NU | NU | NU | NU |
| RED | | | 128 | | 116 | 116 | 101 | 101 | | | | | 134 | | | | | |
| YELLOW | | | 129 | | 117 | 117 | 102 | 102 | | | | | 135 | | | | | |
| GREEN | | | 130 | | 118 | 118 | 103 | 103 | | | | | 136 | | | | | |
| RED ARROW | 125 | | | | | | | | | | | | 131 | | | | | |
| YELLOW ARROW | 126 | 126 | | 117 | | | | | | | | 132 | 132 | | | | | |
| GREEN ARROW | 127 | 127 | | 118 | 118 | 103 | | | | | | 133 | 133 | | | | | |

NU = Not Used

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,S7,S8
 PHASES USED.....1,2,3,4,5,6
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

| FILE "I" | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| U | ∅ 1 1A | ∅ 2 2A,2B | ∅ 3 3A | ∅ 3 3B | ∅ 4 4A | ∅ 4 4C | ∅ 4 4B | ∅ 4 4C | ∅ 4 4B | ∅ 4 4C | ∅ 4 4B | ∅ 4 4C | ∅ 4 4B | ∅ 4 4C |
| L | NOT USED | NOT USED | NOT USED | ∅ 3 3C | ∅ 4 4B | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |
| U | ∅ 5 5A | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C | ∅ 6 6A,6B,6C |
| L | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |

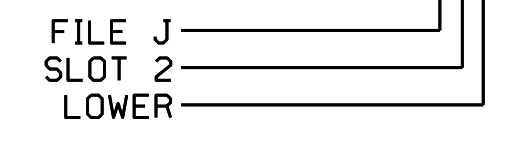
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE 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,2B | TB2-5,6 | I2U | 39 | 2 | 2 | YES | | | N |
| 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 | | 15 | S |
| 4A | TB6-1,2 | I7U | 65 | 34 | 4 | YES | | | S |
| 4B | TB6-3,4 | I7L | 78 | 44 | 4 | YES | | | S |
| 4C | TB6-5,6 | I8U | 49 | 24 | 4 | YES | | 15 | S |
| 5A | TB3-1,2 | J1U | 55 | 5 | 5 | YES | | | S |
| 6A,6B,6C | TB3-5,6 | J2U | 40 | 6 | 6 | YES | | | N |

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0541
 DESIGNED: October 2015
 SEALED: 2-18-16
 REVISED: N/A

Electrical Detail

Electrical and Programming Details For: SR 1400 (Cliffdale Road) at SR 1409 (71st School Road) / Cliffdale Plaza

Division 6 Cumberland County Fayetteville

PLAN DATE: February 2016 REVIEWED BY: DTJ

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER KEITH M. MINIS SEAL 036880

DocuSigned by: Keith M. Minis 3/16/2016

SIG. INVENTORY NO. 06-0541

06-16-2016 1:4:50 S:\IT\SS\175\Sig\work\060541_Mon\ Peterson.dwg Mon Peterson