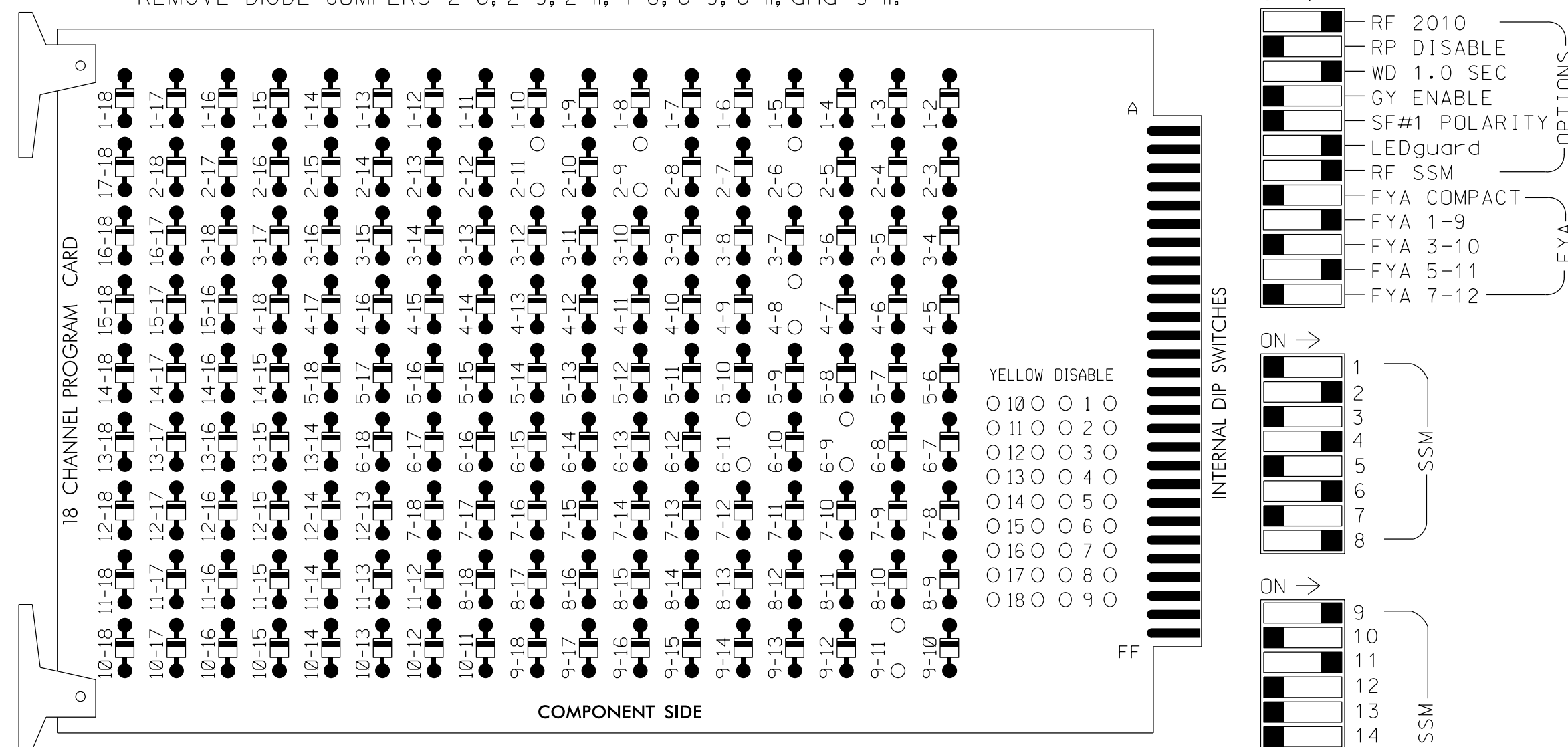


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-9, 2-11, 4-8, 6-9, 6-11, and 9-11.



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 phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Elizabeth City Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070LX  
 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,S8,S11,AUX S1,AUX S4  
 PHASES USED.....2,4,6,8  
 OVERLAP "A".....\*  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....\*  
 OVERLAP "D".....NOT USED

\* See overlap programming detail on sheet 2

### SIGNAL HEAD HOOK-UP CHART

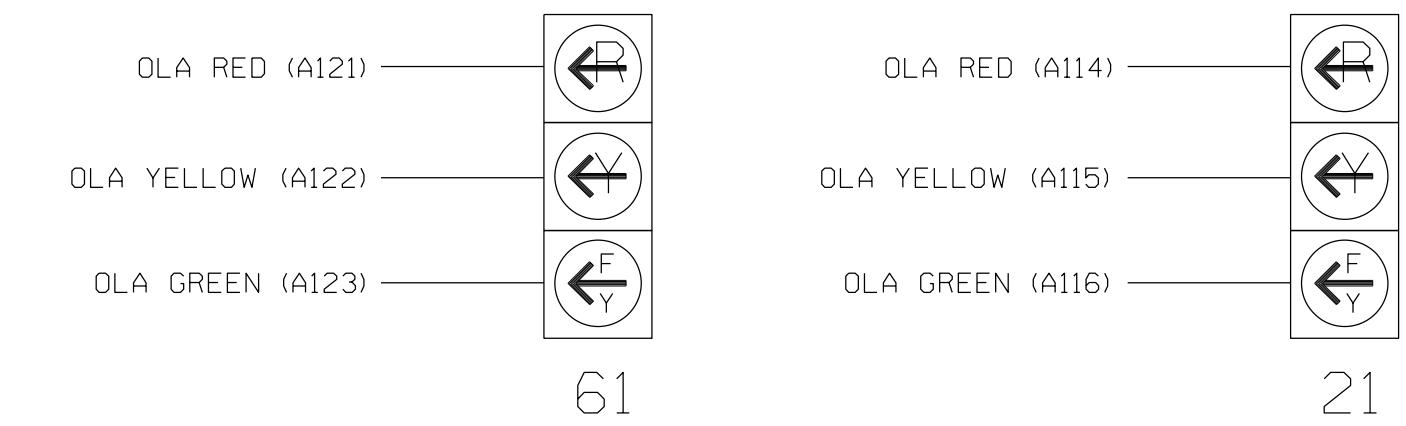
| LOAD SWITCH NO.       | S1 | S2    | S3    | S4 | S5    | S6    | S7 | S8    | S9    | S10 | S11   | S12   | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 |
|-----------------------|----|-------|-------|----|-------|-------|----|-------|-------|-----|-------|-------|--------|--------|--------|--------|--------|--------|
| 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 | 22,23 | NU    | NU | 41,42 | NU    | NU | 62,63 | NU    | NU  | 81,82 | NU    | 61     | NU     | NU     | 21     | NU     | NU     |
| RED                   |    | 128   |       |    | 101   |       |    | 134   |       |     | 107   |       |        |        |        |        |        |        |
| YELLOW                |    | 129   |       |    | 102   |       |    | 135   |       |     | 108   |       |        |        |        |        |        |        |
| GREEN                 |    | 130   |       |    | 103   |       |    | 136   |       |     | 109   |       |        |        |        |        |        |        |
| RED ARROW             |    |       |       |    |       |       |    |       |       |     |       |       | A121   |        |        |        | A114   |        |
| YELLOW ARROW          |    |       |       |    |       |       |    |       |       |     |       |       | A122   |        |        |        | A115   |        |
| FLASHING YELLOW ARROW |    |       |       |    |       |       |    |       |       |     |       |       | A123   |        |        |        | A116   |        |
| GREEN ARROW           |    |       |       |    |       |       |    |       |       |     |       |       |        |        |        |        |        |        |

NU = Not Used

\* See pictorial of head wiring in detail this sheet.

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



### INPUT FILE POSITION LAYOUT

(front view)

| FILE "I" | 1       | 2   | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14          |
|----------|---------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|
| U        | ∅ 2/SYS | ∅ 2 | ∅ 2/SYS  | ∅ 2      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | ∅ 4      | FS          |
| L        | 2A/S1   | 2C  | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | DC ISOLATOR |
| U        | ∅ 6/SYS | ∅ 6 | ∅ 6/SYS  | ∅ 6      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | S           |
| L        | 6A/S3   | 6C  | NOT USED | NOT USED | 8A       | 8B       | 8C       | 8D       | 8E       | 8F       | 8G       | 8H       | 8I       | DC ISOLATOR |
|          | ∅ 6/SYS | ∅ 6 | NOT USED | NOT USED | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | ∅ 8      | S           |
|          | 6B/S4   | 6D  | NOT USED | NOT USED | 8A       | 8B       | 8C       | 8D       | 8E       | 8F       | 8G       | 8H       | 8I       | DC ISOLATOR |

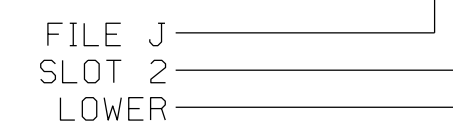
EX.: 1A, 2A, ETC. = LOOP NO.'S

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 | ADDED INITIAL | DETECTOR TYPE |
|----------|---------------|-----------------|---------|--------------|------------|------|-------------|------------|---------------|---------------|
| 2A/S1    | TB2-5,6       | I2U             | 39      | 2            | 2/SYS      | YES  |             |            | X             | N             |
| 2B/S2    | TB2-7,8       | I2L             | 43      | 12           | 2/SYS      | YES  |             |            | X             | N             |
| 2C       | TB2-9,10      | I3U             | 63      | 32           | 2          | YES  |             | 3          |               | S             |
| 4A       | TB4-9,10      | I6U             | 41      | 4            | 4          | YES  |             | 5          |               | S             |
| 6A/S3    | TB3-5,6       | J2U             | 40      | 6            | 6/SYS      | YES  |             |            | X             | N             |
| 6B/S4    | TB3-7,8       | J2L             | 44      | 16           | 6/SYS      | YES  |             |            | X             | N             |
| 6C       | TB3-9,10      | J3U             | 64      | 36           | 6          | YES  |             | 3          |               | S             |
| 8A       | TB5-9,10      | J6U             | 42      | 8            | 8          | YES  |             | 3          |               | S             |
| 8B       | TB5-11,12     | J6L             | 46      | 18           | 8          | YES  |             | 15         |               | S             |

INPUT FILE POSITION LEGEND: J2L



Electrical Detail - Sheet 1 of 2

|  |   |   |  |
|--|---|---|--|
| ELECTRICAL AND PROGRAMMING DETAILS FOR:<br>Prepared for the Offices of:<br>DRMP, Inc.<br>8000 Regency Parkway, Suite 175<br>Cary, NC 27519<br>NC License No. C-2213 (919) 650-1038 | US 17 -158 (N. Road St.)<br>at<br>SR 1346 (Culpepper Lane)/<br>Fairway Terrace Drive<br>Division 1 Pasquotank County Elizabeth City |   | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED<br>SEAL<br>SEAL 022516<br>LISA M. MOON<br>ENGINEER |
|  | PLAN DATE: February 2018<br>PREPARED BY: DJ White   | REVIEWED BY: AJ Davis<br>REVIEWED BY: LM Moon |  |