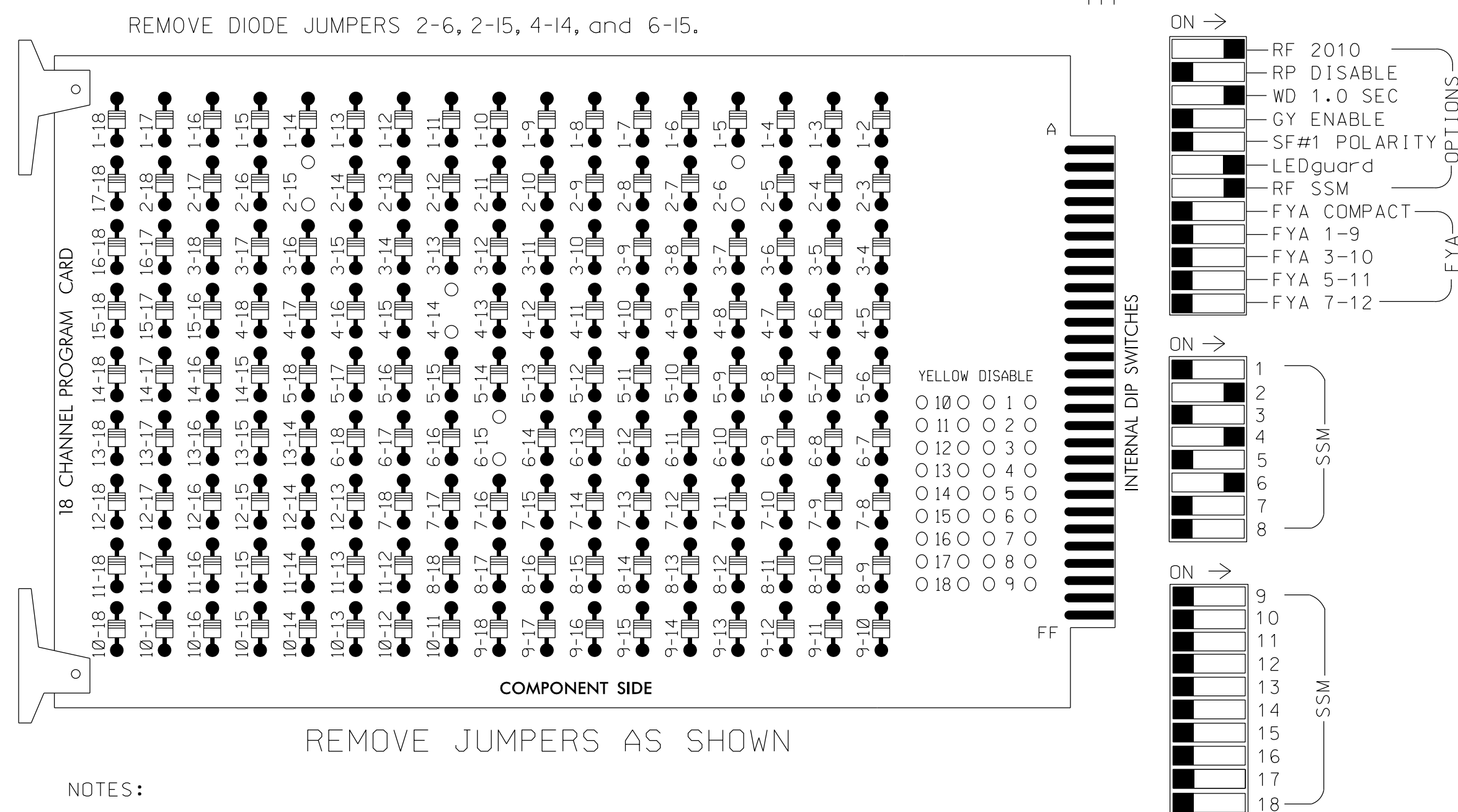


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 Start Up In Green.
- Program phases 4 and 6 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Asheville Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S5,S6,S8,S9  
 PHASES USED.....2,4,4PED,6,6PED  
 OVERLAPS.....NONE

|                                  |                         |
|----------------------------------|-------------------------|
| PROJECT REFERENCE NO.<br>U-4715B | SHEET NO.<br>Sig. 244.1 |
|----------------------------------|-------------------------|

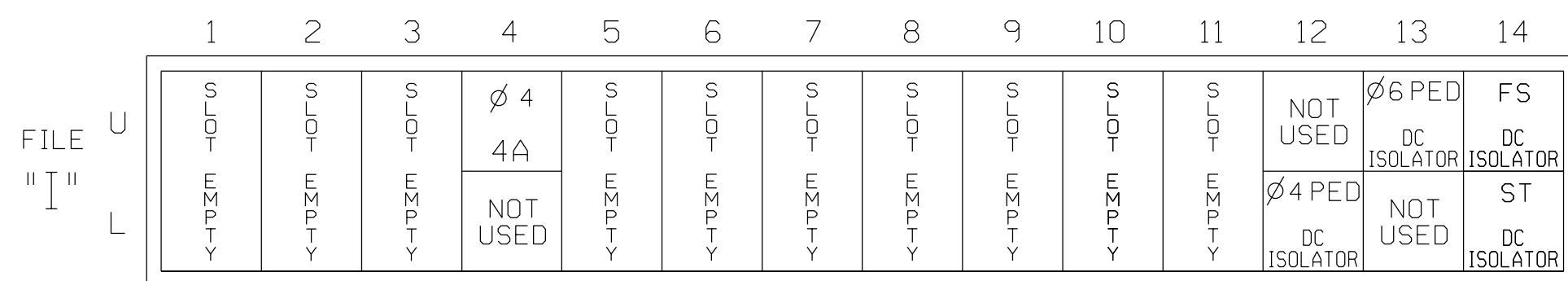
### SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO. | S1 | S2    | S3    | S4 | S5    | S6       | S7  | S8    | S9       | S10 | S11 | S12   |
|-----------------|----|-------|-------|----|-------|----------|-----|-------|----------|-----|-----|-------|
| CMU CHANNEL NO. | 1  | 2     | 13    | 3  | 4     | 14       | 5   | 6     | 15       | 7   | 8   | 16    |
| PHASE           | 1  | 2     | 2 PED | 3  | 4     | 4 PED    | 5   | 6     | 6 PED    | 7   | 8   | 8 PED |
| SIGNAL HEAD NO. | NU | 21,22 | NU    | NU | 41,42 | P41, P42 | NU  | 61,62 | P61, P62 | NU  | NU  | NU    |
| RED             |    | 128   |       |    | 101   |          |     | 134   |          |     |     |       |
| YELLOW          |    | 129   |       |    | 102   |          |     | 135   |          |     |     |       |
| GREEN           |    | 130   |       |    | 103   |          |     | 136   |          |     |     |       |
| RED ARROW       |    |       |       |    |       |          |     |       |          |     |     |       |
| YELLOW ARROW    |    |       |       |    |       |          |     |       |          |     |     |       |
| GREEN ARROW     |    |       |       |    |       |          |     |       |          |     |     |       |
|                 |    |       |       |    |       |          | 104 |       | 119      |     |     |       |
|                 |    |       |       |    |       |          | 106 |       | 121      |     |     |       |

NU = Not Used

### INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME  
 PRE = PREEMPT

### INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO.         | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 4A               | TB21-7,8      | I4U             | 41      | 3                    | 4            | 4          | Y    | Y      |                 |              |            |
| PED PUSH BUTTONS |               |                 |         |                      |              |            |      |        |                 |              |            |
| P41,P42          | TB8-5,6       | I12L            | 69      | 31                   | PED 4        | 4 PED      |      |        |                 |              |            |
| P61,P62          | TB8-7,9       | I13U            | 68      | 30                   | PED 6        | 6 PED      |      |        |                 |              |            |

### INPUT FILE POSITION LEGEND: J2L



### 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: COA-09  
 DESIGNED: September 2016  
 SEALED: December 2016  
 REVISED:

### Signal Upgrade

|                             |   |                  |  |                           |  |
|-----------------------------|---|------------------|--|---------------------------|--|
|                             | ELECTRICAL AND PROGRAMMING DETAILS FOR:<br>Prepared for the Offices of: |                  | <b>Charlotte Street<br/>at<br/>Hillside Street</b> |                           | SEAL<br>NORTH CAROLINA PROFESSIONAL ENGINEER<br>SEAL 025892<br>MELISSA B. TOTH |
|                             | Division 13 Suncombe County Asheville                                   |                  | PLAN DATE: September 2016 REVIEWED BY: MB Toth     |                           |  |
| PREPARED BY: AM Encarnacion |   | REVIEWED BY:     |  | DATE                      |  |
| REVISIONS                   |   | INIT.            |  | DATE                      |  |
| Signature:                  |   | Date: 12/16/2016 |  | SIG. INVENTORY NO. COA-09 |  |