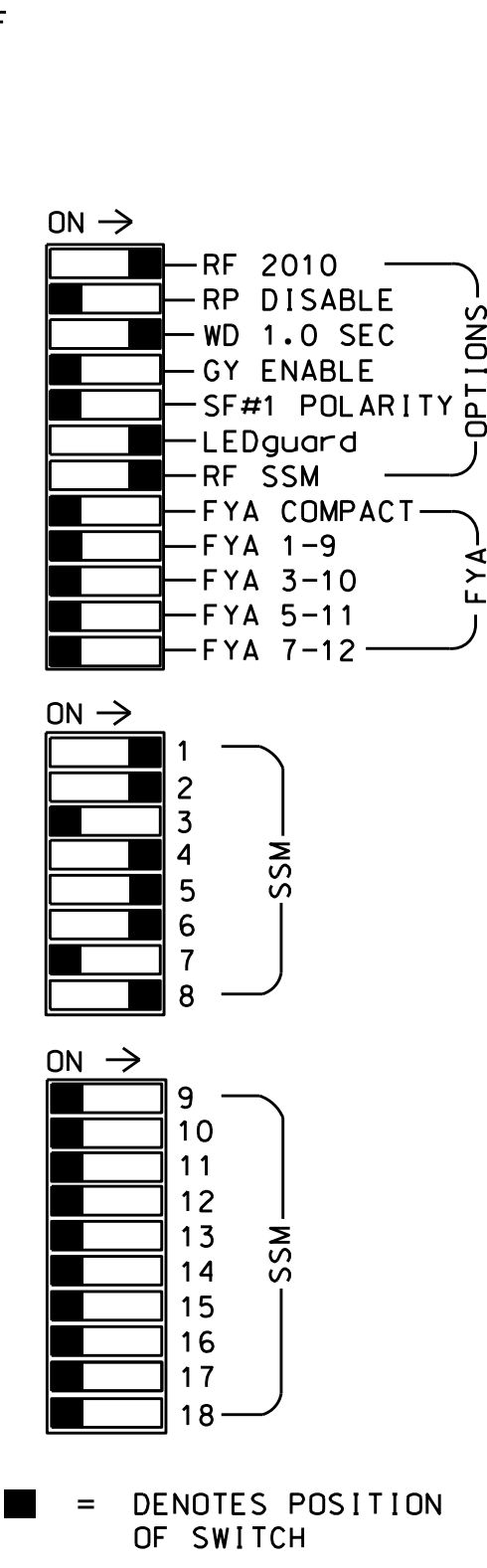
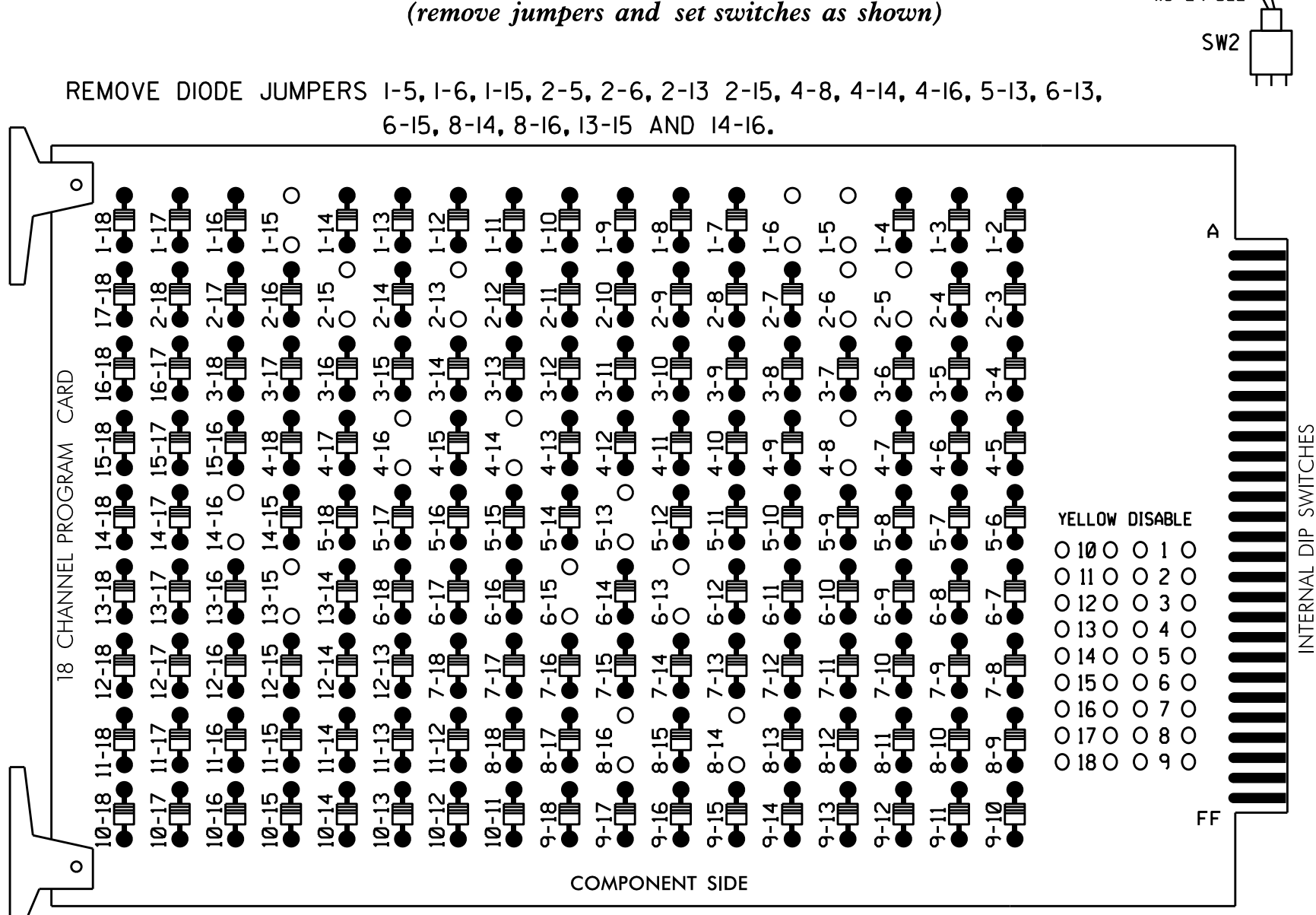


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- 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.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the High Point Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S5,S6,S7,S8,S9,S11,S12
 PHASES USED.....1,2,4,5,6,8,2 PED,4 PED,6 PED,8 PED
 OVERLAPS.....NONE

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. | 11 | 82 | 21,22 | P21, P22 | NU | 41,42 | P41, P42 | 42 | 51 | 61,62 | P61, P62 | NU | 81,82 | P81, P82 |
| RED | | 128 | | | 101 | | | 134 | | | | 107 | | |
| YELLOW | | 129 | | | 102 | | | 135 | | | | 108 | | |
| GREEN | | 130 | | | 103 | | | 136 | | | | 109 | | |
| RED ARROW | 125 | | | | | | | 131 | | | | | | |
| YELLOW ARROW | 126 | 126 | | | | | 132 | 132 | | | | | | |
| GREEN ARROW | 127 | 127 | | | | | 133 | 133 | | | | | | |
| Hand | | | | 113 | | 104 | | | 119 | | | 110 | | |
| Walking | | | | 115 | | 106 | | | 121 | | | 112 | | |

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.

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.

INPUT FILE POSITION LAYOUT
(front view)

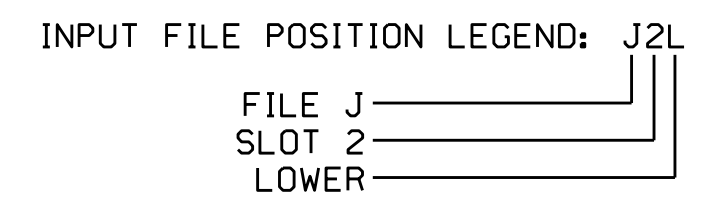
| FILE "I" | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|----------|-----------|-----------|------------------|----------|----------|-----------|-----------|----------|----------|----------|----------|---------------------|---------------------|-------------------|
| U | ∅ 1 1A | ∅ 1 1B | ∅ 2/SYS 2A/S1 | S TOP | S TOP | NOT USED | ∅ 4 4C | S TOP | S TOP | S TOP | S TOP | ∅ 2 PED ISOLATOR | ∅ 6 PED ISOLATOR | FS DC ISOLATOR |
| L | NOT USED | NOT USED | ∅ 2/SYS 2B/S2 | Y TOP | Y TOP | ∅ 4 4B | NOT USED | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP |
| U | ∅ 5 5A | ∅ 5 5B | ∅ 6/SYS 6A/S3 | S TOP | S TOP | NOT USED | ∅ 8 8C | S TOP | S TOP | S TOP | S TOP | S TOP | S TOP | S TOP |
| L | NOT USED | NOT USED | ∅ 6/SYS 6B/S4 | Y TOP | Y TOP | ∅ 8 8B | NOT USED | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP | Y TOP |

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. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 1A | TB2-1,2 | I1U | 56 | 18 | 1 | 1 | Y | Y | | | |
| 1B | TB2-5,6 | I2U | 39 | 1 | 2 | 1 | Y | Y | | | 15 |
| 2A/S1 | TB2-9,10 | I3U | 63 | 25 | 32 | 2/SYS | Y | Y | | | |
| 2B/S2 | TB2-11,12 | I3L | 76 | 38 | 42 | 2/SYS | Y | Y | | | |
| 4B | TB4-11,12 | I6L | 45 | 7 | 14 | 4 | Y | Y | | | 3 |
| 4C | TB6-1,2 | I7U | 65 | 27 | 34 | 4 | Y | Y | | | |
| 5A | TB3-1,2 | J1U | 55 | 17 | 5 | 5 | Y | Y | | | |
| 5B | TB3-5,6 | J2U | 40 | 2 | 6 | 5 | Y | Y | | | 15 |
| 6A/S3 | TB3-9,10 | J3U | 64 | 26 | 36 | 6/SYS | Y | Y | | | |
| 6B/S4 | TB3-11,12 | J3L | 77 | 39 | 46 | 6/SYS | Y | Y | | | |
| 8B | TB5-11,12 | J6L | 46 | 8 | 18 | 8 | Y | Y | | | 3 |
| 8C | TB7-1,2 | J7U | 66 | 28 | 38 | 8 | Y | Y | | | |
| PED PUSH BUTTONS | | | | | | | | | | | |
| P21,P22 | TB8-4,6 | I12U | 67 | 29 | PED 2 | 2 PED | | | | | |
| P41,P42 | TB8-5,6 | I12L | 69 | 31 | PED 4 | 4 PED | | | | | |
| P61,P62 | TB8-7,9 | I13U | 68 | 30 | PED 6 | 6 PED | | | | | |
| P81,P82 | TB8-8,9 | I13L | 70 | 32 | PED 8 | 8 PED | | | | | |

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1920
 DESIGNED: May 2014
 SEALED: 4-23-15
 REVISED: N/A

ELECTRICAL DETAIL

Electrical and Programming Details For: SR 4187 (Piedmont Parkway) at SR 1552 (Tarrant Road)

Division 7 Guilford County High Point

PLAN DATE: January 2015 REVIEWED BY: JTR

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: John T. Rowe, Inc./28/2015

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 07-1920

08-09-2015 11:53
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 J Peterson