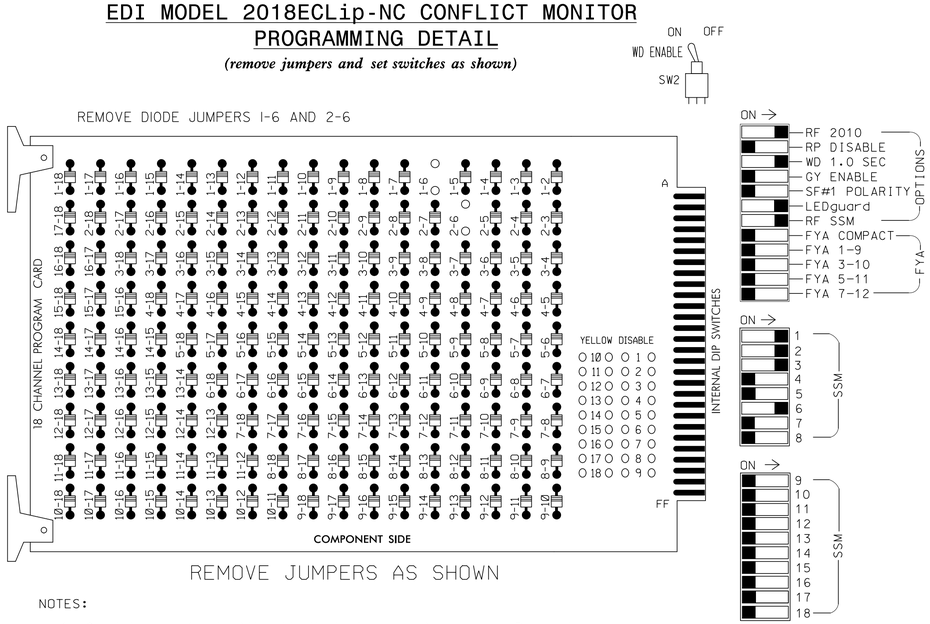
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-5742 | Sig. 94.1 |

# EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

*(remove jumpers and set switches as shown)*




■ = DENOTES POSITION OF SWITCH

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 controller to start up in phase 2 Green and 6 Green.
4. The cabinet and controller are part of the Fayetteville Signal System.

## EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....332
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S4,S8
PHASES USED.....1,2,3,6
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 | 32 | 21,22 | NU | 31,32 | NU | NU | NU | 61,62 | NU | NU | NU | NU |
| RED | | | 128 | | 116 | | | | 134 | | | | |
| YELLOW | | | 129 | | 117 | | | | 135 | | | | |
| GREEN | | | 130 | | 118 | | | | 136 | | | | |
| RED ARROW | 125 | | | | | | | | | | | | |
| YELLOW ARROW | 126 | 126 | | | | | | | | | | | |
| GREEN ARROW | 127 | 127 | | | | | | | | | | | |
| ✋ | | | | | | | | | | | | | |
| 🚶 | | | | | | | | | | | | | |

NU = Not Used

## INPUT FILE POSITION LAYOUT

*(front view)*

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FILE "I" | U | Ø 1 1A | Ø 1 1B | Ø 2 2A,2B | SLOT EMPTY | Ø 3 3A | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SYS. DET. S2A | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | FS DC ISOLATOR |
| | L | NOT USED | NOT USED | Ø 2 2C,2D | | NOT USED | | | | SYS. DET. S2B | | | | | ST DC ISOLATOR |
| FILE "J" | U | SLOT EMPTY | Ø 6 6A,6B | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SYS. DET. S6A | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY |
| | L | | NOT USED | | | | | | | SYS. DET. S6B | | | | | |

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 | | 15 | S |
| 2A,2B | TB2-9,10 | I3U | 63 | 32 | 2 | YES | 1.9 | | S |
| 2C,2D | TB2-11,12 | I3L | 76 | 42 | 2 | YES | | | S |
| 3A | TB4-5,6 | I5U | 58 | 3 | 3 | YES | | | S |
| 6A,6B | TB3-5,6 | J2U | 40 | 6 | 6 | YES | | | S |
| ✳S2A | TB6-9,10 | I9U | 60 | 11 | SYS | NO | | | N |
| ✳S2B | TB6-11,12 | I9L | 62 | 13 | SYS | NO | | | N |
| ✳S6A | TB7-9,10 | J9U | 59 | 15 | SYS | NO | | | N |
| ✳S6B | TB7-11,12 | J9L | 61 | 17 | SYS | NO | | | N |

✳ System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0351
DESIGNED: February 2016
SEALED: 5/6/2016
REVISED:

Electrical Detail

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For: Transportation Mobility and Safety Division, Traffic Engineering Branch, Signals Management Section, Department of Transportation, State of North Carolina
750 N.Greenfield Pkwy,Garner,NC 27529

# SR 1404 (Morganton Road) at SR 1400 (Cliffdale Road)

Division 6 Cumberland County Fayetteville

| | | | |
|---|---|---|---|
| PLAN DATE: | June 2016 | REVIEWED BY: | KP Baumann |
| PREPARED BY: | SP Pennington | REVIEWED BY: | SL Phillips |

| REVISIONS | INIT. | DATE |
|---|---|---|
| | | |
| | | |
| | | |

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032607 ENGINEER STACIE L. PHILLIPS

DocuSigned by: 0C87A59ED60B437...
8/31/2016
DATE

SIG. INVENTORY NO. 06-0351

PLANS PREPARED IN THE OFFICE OF:
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8/30/2016
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susan.pennington