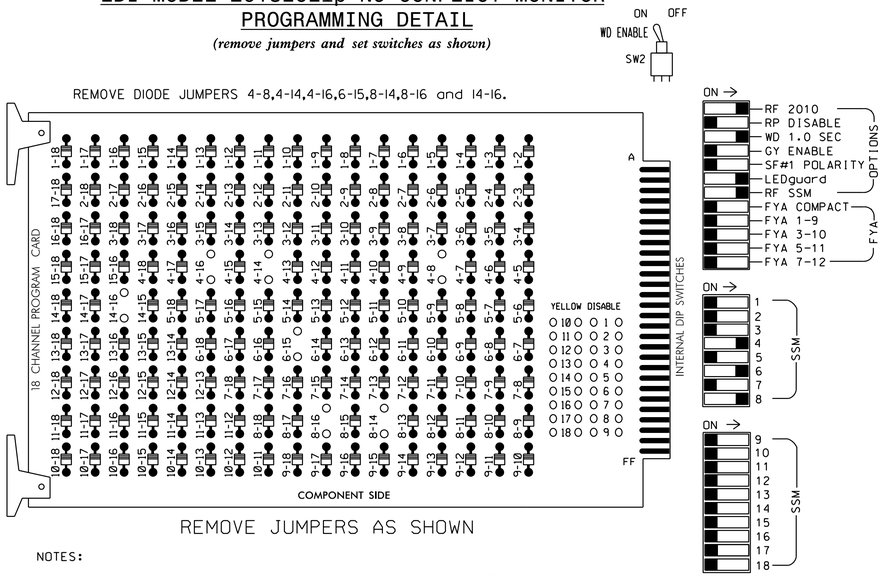
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-4715B | Sig. 255.1 |

# EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

*(remove jumpers and set switches as shown)*




REMOVE JUMPERS 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.

■ = DENOTES POSITION OF SWITCH

## 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 phase 6 on the controller unit, for Start Up In Green. SPECIAL PROGRAMMING IS NEEDED FOR PROPER START-UP OF PED SIGNALS. SEE SHEET 2 OF 2 OF THIS ELECTRICAL DETAIL FOR INSTRUCTIONS.
4. Program phases 4, 6 and 8 for 'STARTUP PED CALL'.
5. Program phase 6 for Yellow Flash.
6. The cabinet and controller are part of the Asheville Signal System.

## EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....336
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S5,S6,S8,S9,S11,S12.
PHASES USED.....4,6,8,4PED,6PED,8PED.
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. | NU | NU | NU | NU | 41,42 | P41, P42 | NU | 61,62 | P61, P62 | NU | 81,82 | P81, P82 |
| RED | | | | | 101 | | | 134 | | | 107 | |
| YELLOW | | | | | 102 | | | 135 | | | 108 | |
| GREEN | | | | | 103 | | | 136 | | | 109 | |
| RED ARROW | | | | | | | | | | | | |
| YELLOW ARROW | | | | | | | | | | | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | |
| GREEN ARROW | | | | | | | | | | | | |
| ✋ | | | | | | 104 | | | 119 | | | 110 |
| 🚶 | | | | | | 106 | | | 121 | | | 112 |

NU = Not Used

## ADVANCED WALK PROGRAMMING NOTE

*(program controller as shown below)*

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phases 4, 6, and 8 for 'Advanced Walk'. Make sure the Walk Advance times shown on the Signal Design Plans are programmed in the the 'Phase Timing' menu.

## INPUT FILE POSITION LAYOUT

*(front view)*

| FILE "I" | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SYS. DET. S1 | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | SLOT EMPTY | FS DC ISOLATOR |
| L | | | | | | | SYS. DET. S2 | | | | | | | ST DC ISOLATOR |

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

FS = FLASH SENSE
ST = STOP TIME

## 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| * S1 | TB21-13,14 | I7U | 57 | 19 | 7 | SYS | | | | | |
| * S2 | TB23-13,14 | I7L | 50 | 12 | 28 | SYS | | | | | |

* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: COA-0106
DESIGNED: MAY 2016
SEALED: 12-13-2016
REVISED:


Mattern & Craig
SINCE 1979
CONSULTING ENGINEERS • SURVEYORS
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ELECTRICAL DETAIL SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

CITY OF ASHEVILLE NORTH CAROLINA

161 S.Charlotte St.Asheville NC 28802

College St
at
N Lexington Ave and
S Lexington Ave

Division 13 | Buncombe County | Asheville

| | | | |
|---|---|---|---|
| PLAN DATE: | MAY 2016 | REVIEWED BY: | SMH |
| PREPARED BY: | BGR | REVIEWED BY: | JBV |

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

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022599 JAMES B. VOSO
DocuSigned by: James Voso 140FD603796E041F...
12/13/2016
SIGNATURE DATE

SIG. INVENTORY NO. COA-0106

12:54:58 PM
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bgross