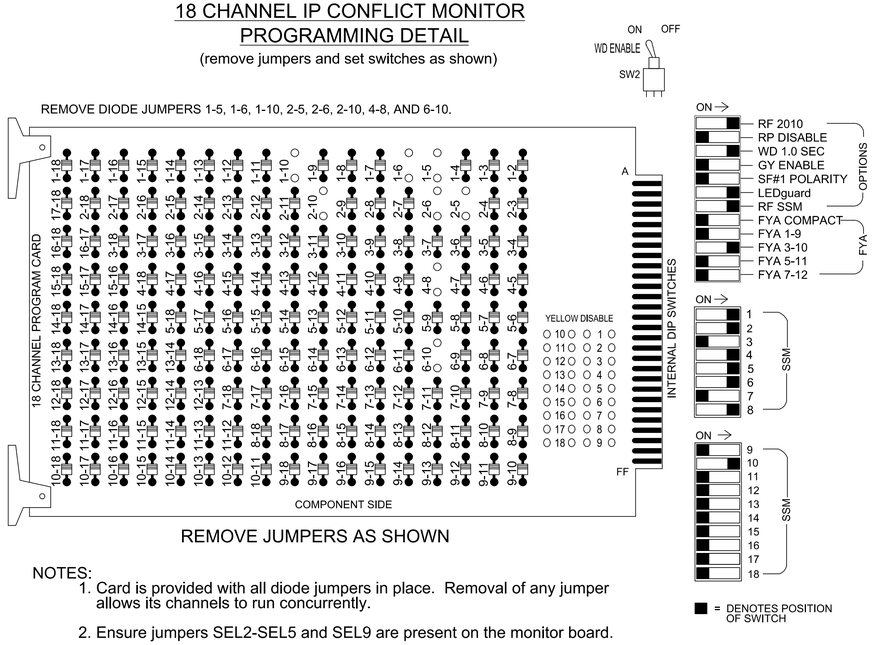
Docusign Envelope ID: 08F04D54-3808-4374-9082-CAF2AD65358D

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-5797 | Sig. 8.1 |

## 18 CHANNEL IP 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 the 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 plan.
2. Program phases 4 and 8 for Dual Entry.
3. Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
4. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
5. The cabinet and controller are part of the #D06-18 Lumberton NC 211 (N. Roberts Avenue) System.

## EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S5, S7, S8, S11, AUX S2
Phases Used.....1, 2, 3, 4, 5, 6, 8
Overlap "1".....NOT USED
Overlap "2".....*
Overlap "3".....NOT USED
Overlap "4".....NOT USED

*See overlap programming detail on sheet 2

## SIGNAL HEAD HOOK-UP CHART

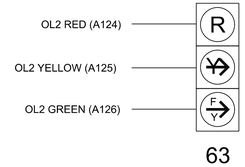
| LOAD SWITCH NO. | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMU CHANNEL NO. | 1 | 2 | 13 | 3 | 4 | 14 | 5 | 6 | 15 | 7 | 8 | 16 | 9 | 10 | 17 | 11 | 12 | 18 |
| PHASE | 1 | 2 | 2 PED | 3 | 4 | 4 PED | 5 | 6 | 6 PED | 7 | 8 | 8 PED | OL1 | OL2 | SPARE | OL3 | OL4 | SPARE |
| SIGNAL HEAD NO. | 11 | 21,22 | NU | NU | 41,42 | NU | 51,52 | 61,62 | NU | NU | 81,82 | NU | NU | 63★ | NU | NU | NU | NU |
| RED | | 128 | | | 101 | | | 134 | | | 107 | | | A124 | | | | |
| YELLOW | | 129 | | | 102 | | | 135 | | | 108 | | | | | | | |
| GREEN | | 130 | | | 103 | | | 136 | | | 109 | | | | | | | |
| RED ARROW | 125 | | | | | | 131 | | | | | | | | | | | |
| YELLOW ARROW | 126 | | | | | | 132 | | | | | | | A125 | | | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | | A126 | | | | |
| GREEN ARROW | 127 | | | | | | 133 | | | | | | | | | | | |
| ✋ | | | | | | | | | | | | | | | | | | |
| 🚶 | | | | | | | | | | | | | | | | | | |

NU = Not Used

★See pictorial of head wiring in detail this sheet.

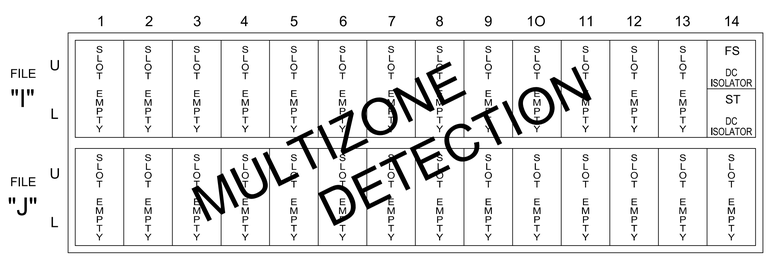
## FYA SIGNAL WIRING DETAIL

*(wire signal heads as shown)*




## INPUT FILE POSITION LAYOUT

(front view)




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

FS = FLASH SENSE
ST = STOP TIME

## SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0170T6
DESIGNED: Feb 2025
SEALED: 2/10/2025
REVISED:

Temporary Design 6 - TMP Phase VI, Step 4
Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
(704) 372-1885
NC License Number F-0991

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 211 (N. Roberts Avenue)
at
SR 1997 (Fayetteville Road)

Prepared for the Offices of:
Transportation Mobility and Safety Division
ITS & Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

Division 6 | Robeson County | Lumberton

| | | | |
|---|---|---|---|
| PLAN DATE: | Feb 2025 | REVIEWED BY: | H.M. Surti |
| PREPARED BY: | R.L. Aristondo | REVIEWED BY: | T.M. Moody |

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 040329 ENGINEER TRENT M. MOODY

DocuSigned by: Trent Moody 2/10/2025
ASSISTANT STATE TRAFFIC ENGINEER — DATE

SIG. INVENTORY NO. 06-0170T6

1/31/2025
12:46:06 pm
R:\Projects\U5797\Deliverables & Submittals\U-5797\Traffic\Signals\Temporary Signals\06-0170 (Fayetteville-Roberts)\06017T6_smu_ele.2024xxxx.dgn
LeonaR