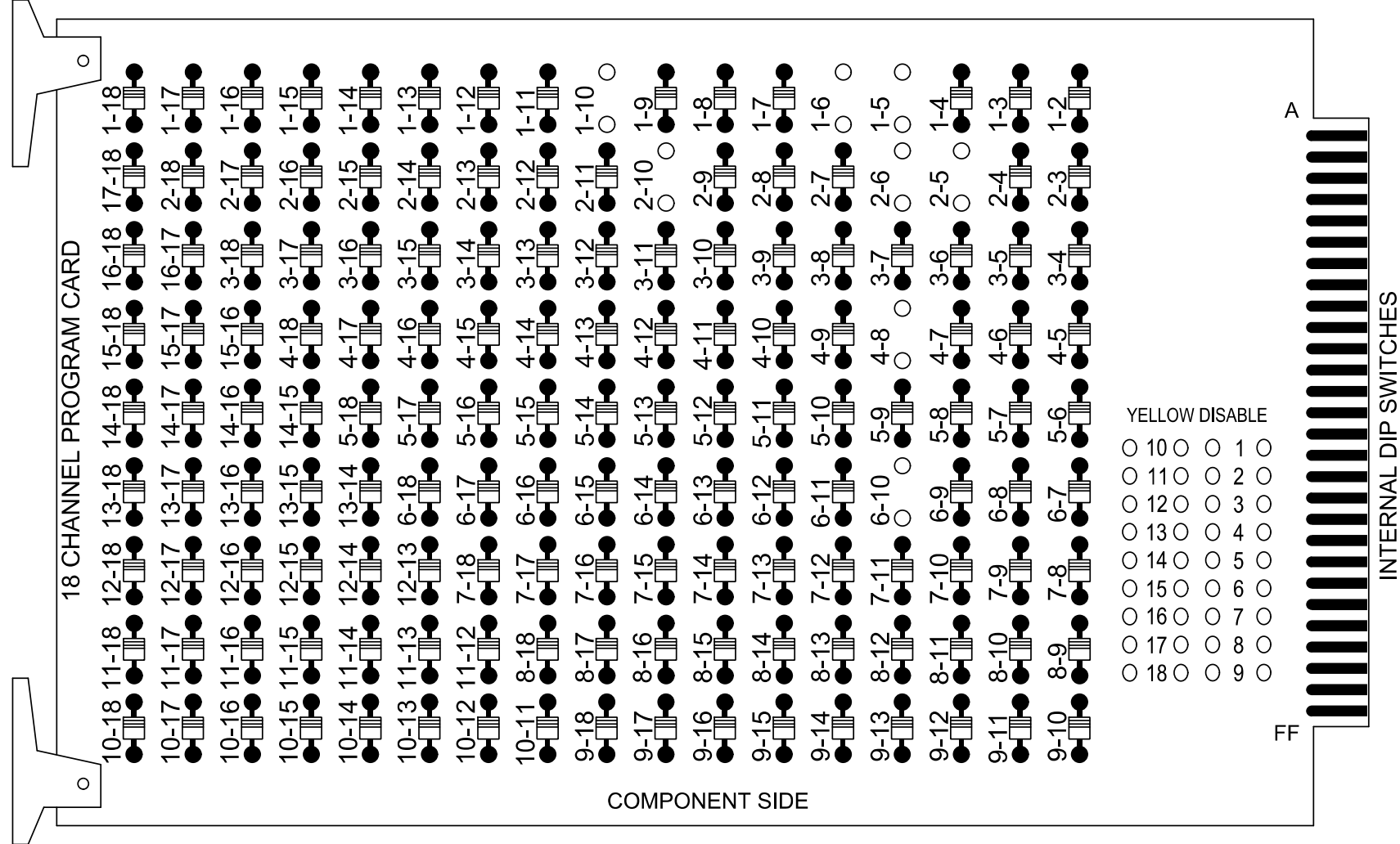


18 CHANNEL IP CONFLICT MONITOR  
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

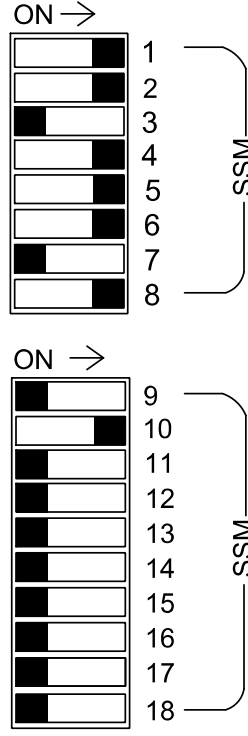
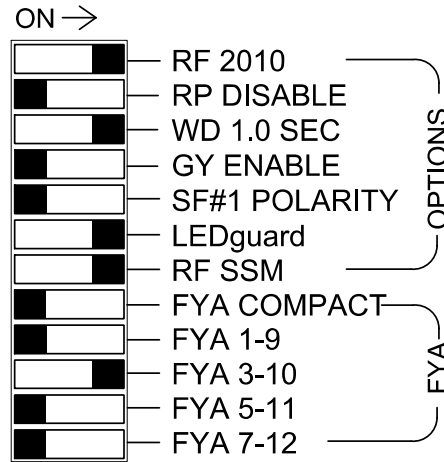
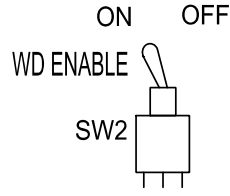
REMOVE DIODE JUMPERS 1-5, 1-6, 1-10, 2-5, 2-6, 2-10, 4-8, AND 6-10.



REMOVE JUMPERS 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 the Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.



■ = DENOTES POSITION OF SWITCH

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 plan.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- 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

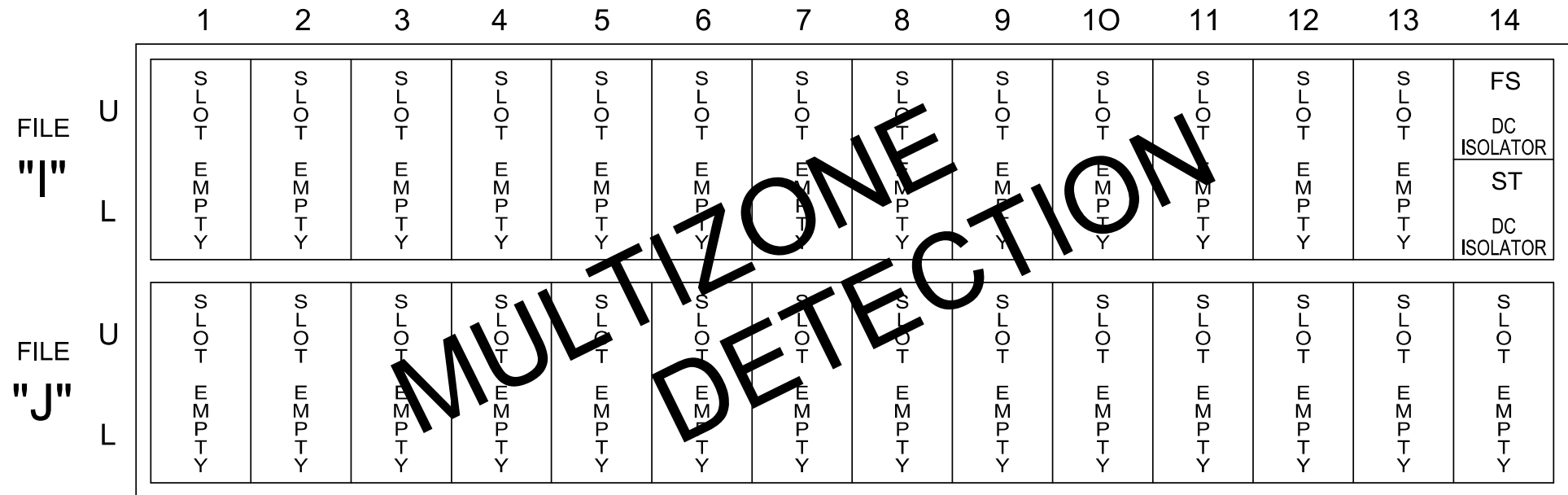
\*See overlap programming detail on sheet 2

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.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
ST = STOP TIME

SIGNAL HEAD HOOK-UP CHART

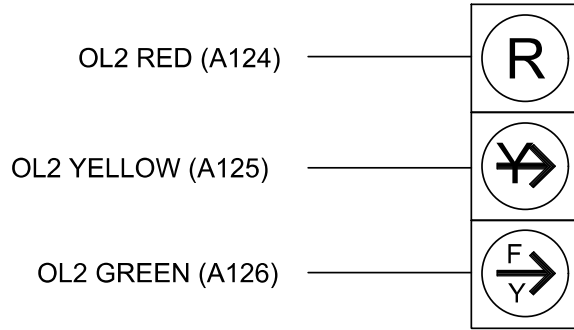
| LOAD SWITCH NO.       | S1  | S2    | S3    | S4 | S5    | S6    | S7  | S8    | S9    | S10 | S11   | S12   | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 |
|-----------------------|-----|-------|-------|----|-------|-------|-----|-------|-------|-----|-------|-------|--------|--------|--------|--------|--------|--------|
| 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  | 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 |       |       |     |       |       |        |        |        |        |        |        |
| Hand icon             |     |       |       |    |       |       |     |       |       |     |       |       |        |        |        |        |        |        |
| Walking person icon   |     |       |       |    |       |       |     |       |       |     |       |       |        |        |        |        |        |        |

NU = Not Used

★See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

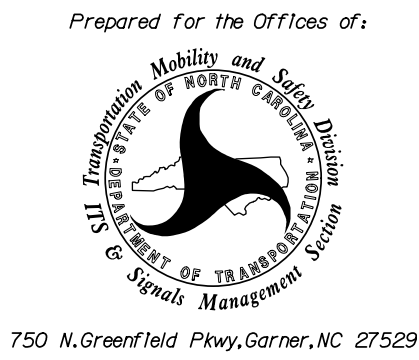


THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 06-0170T5  
DESIGNED: Feb 2025  
SEALED: 2/10/2025  
REVISED:

Temporary Design 5 - TMP Phase VI, Step 1  
Electrical Detail - Sheet 1 of 2

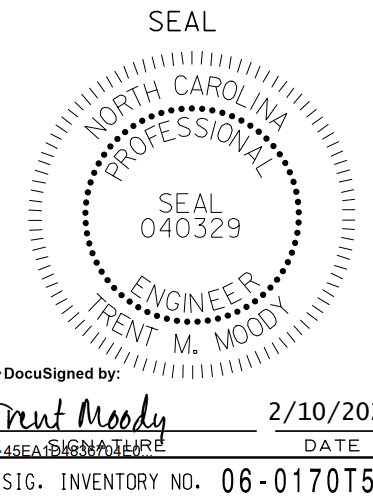
DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

**stv**  
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Charlotte, NC 28202  
(704) 372-1885  
NC License Number F-0991



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

|                             |                         |           |
|-----------------------------|-------------------------|-----------|
| Division 6                  | Robeson County          | Lumberton |
| PLAN DATE: Feb 2025         | REVIEWED BY: H.M. Surti |           |
| PREPARED BY: R.L. Aristondo | REVIEWED BY: T.M. Woody |           |
| REVISIONS                   | INIT.                   | DATE      |
|                             |                         |           |
|                             |                         |           |
|                             |                         |           |



Signed by: *Trent Moody* 2/10/2025  
DATE  
SEALED  
INVENTORY NO. 06-0170T5