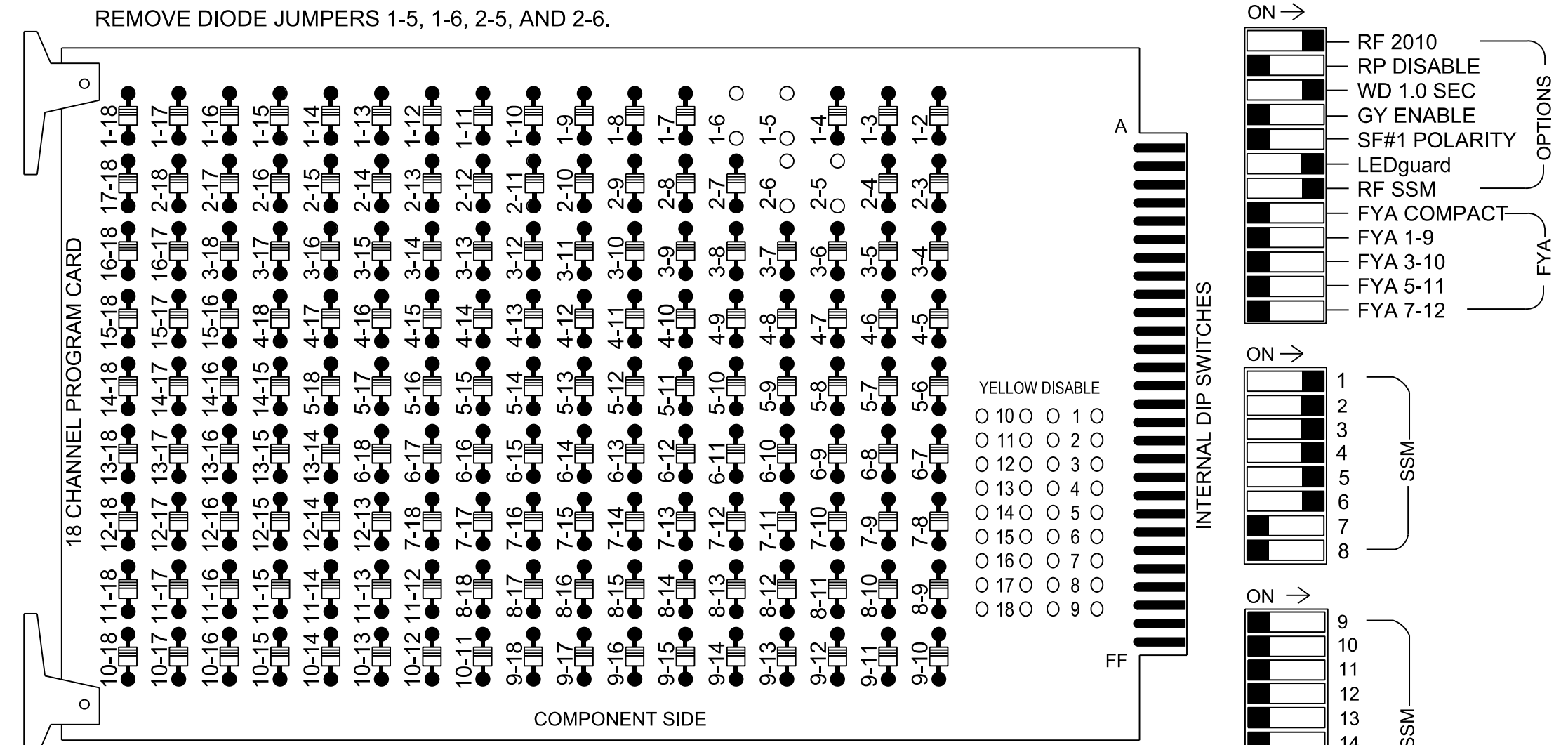


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(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 the 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 plan.
- Program controller to start up in phase 2 Green No Walk and 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 D06-03 Hope Mills System.

EQUIPMENT INFORMATION

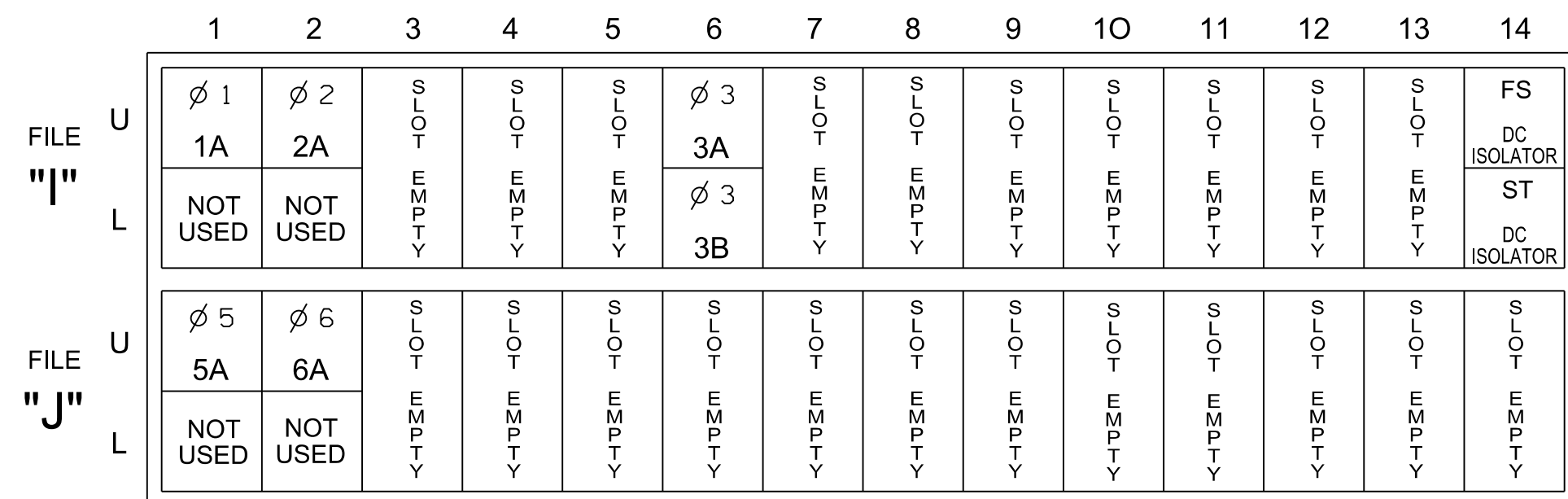
Controller.....2070LX
 Cabinet.....332 w/ Aux
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Base
 Output File Positions.....18 With Aux. Output File
 Load Switches Used.....S1, S2, S4, S5, S7, S8
 Phases Used.....1, 2, 3, 4, 5, 6
 OverlapsNONE

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 | 3 PED | OL1 | OL2 | SPARE | OL3 | OL4 | SPARE |
| SIGNAL HEAD NO. | 11 | 21,22 | NU | 31 | 32 | 41 | 42 | 62 | NU | 42 | 51 | 61,62 | NU | NU | NU | NU | NU | NU |
| RED | 128 | | | 116 | 116 | 101 | 101 | | | | | 134 | | | | | | |
| YELLOW | 129 | | | 117 | 117 | 102 | 102 | | | | | 135 | | | | | | |
| GREEN | 130 | | | 118 | 118 | 103 | 103 | | | | | 136 | | | | | | |
| RED ARROW | 125 | | | | | | | | | | | 131 | | | | | | |
| YELLOW ARROW | 126 | | | | | | | 102 | 132 | 132 | | | | | | | | |
| GREEN ARROW | 127 | | | 118 | | 103 | 103 | 133 | 133 | | | | | | | | | |

NU = Not Used

INPUT FILE POSITION LAYOUT (front view)



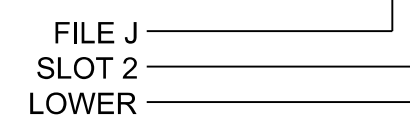
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT POINT | DETECTOR NO. | CALL PHASE | DELAY TIME | EXTEND TIME | EXTEND | ADDED INITIAL | CALL | DELAY DURING GREEN |
|----------|---------------|-----------------|---------|-------------|--------------|------------|------------|-------------|--------|---------------|------|--------------------|
| 1A | TB2-1,2 | I1U | 56 | 18 | 1 | 1 | | | X | | X | |
| 2A | TB2-5,6 | I2U | 39 | 1 | 2 | 2 | | | X | | X | |
| 3A | TB4-9,10 | I6U | 41 | 3 | 8 | 3 | 3 | | X | | X | |
| 3B | TB4-11,12 | I6L | 45 | 7 | 9 | 3 | 10 | | X | | X | |
| 5A | TB3-1,2 | J1U | 55 | 17 | 15 | 5 | 3 | | X | | X | |
| 6A | TB3-5,6 | J2U | 40 | 2 | 16 | 6 | | | X | | X | |

INPUT FILE POSITION LEGEND: J2L



SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection in zones 4A and 5B. 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: 06-0363T1
 DESIGNED: March 2024
 SEALED: 03-15-2024
 REVISED: N/A

Electrical Detail

Electrical and Programming Details For:

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1596 (N. Main Street) at SR 1112 (Rockfish Road) / Hope Mills Plaza

Division 6 Cumberland County Hope Mills

PLAN DATE: March 2024 REVIEWED BY:

PREPARED BY: J.T. Rowe REVIEWED BY: G.G. Murr, Jr.

REVISIONS INIT. DATE

DocuSigned by: John T. Rowe, Jr. 060623200927407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JOHN T. ROWE, JR. SEAL 008453

SIG. INVENTORY NO. 06-0363T1



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