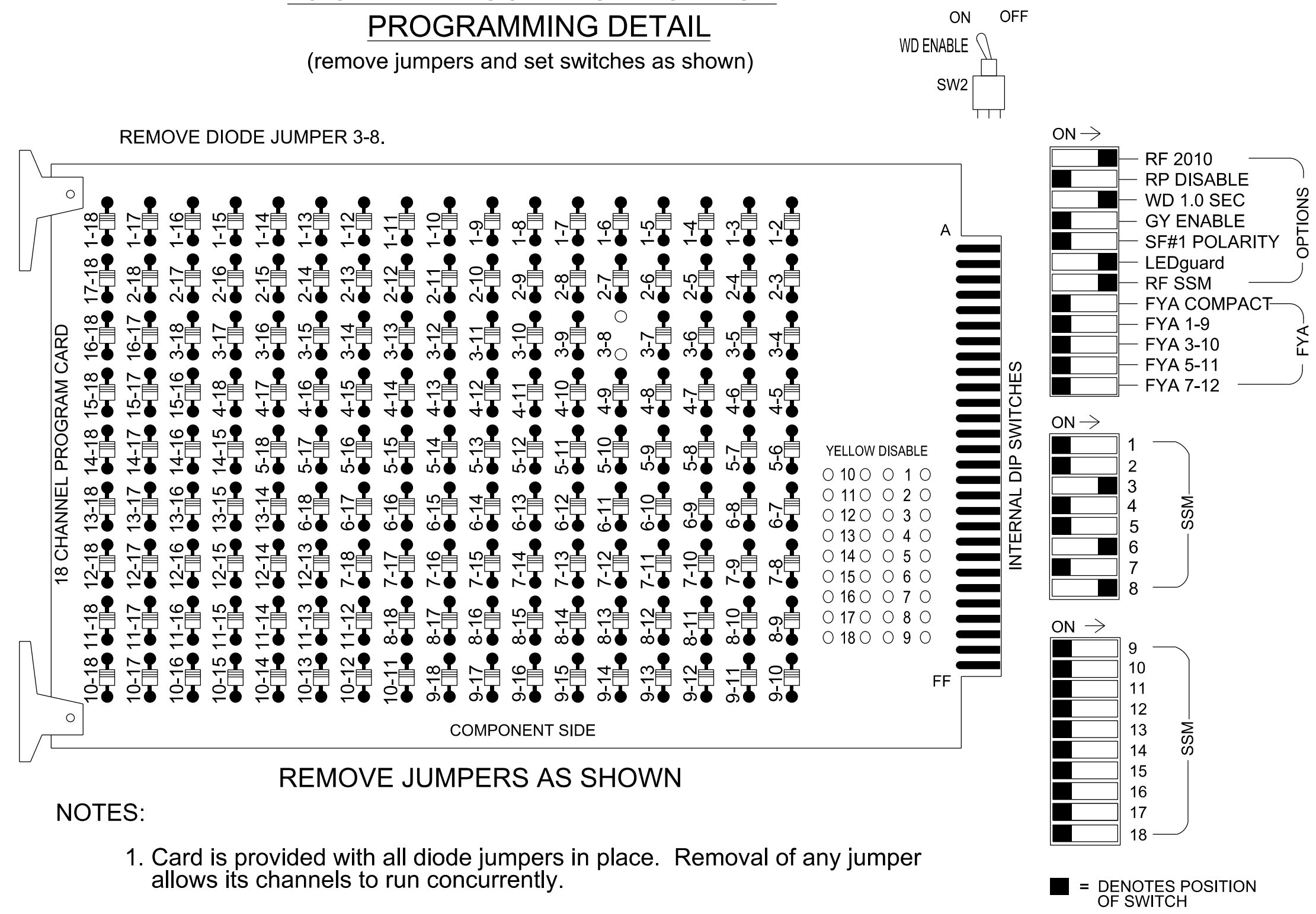


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

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 3 and 8 for Dual Entry.
3. Program controller to start up in 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.

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.....S3, S8, S11
 Phases Used.....3, 6, 8,
 Overlap "1".....NOT USED
 Overlap "2".....NOT USED
 Overlap "3".....NOT USED
 Overlap "4".....NOT USED

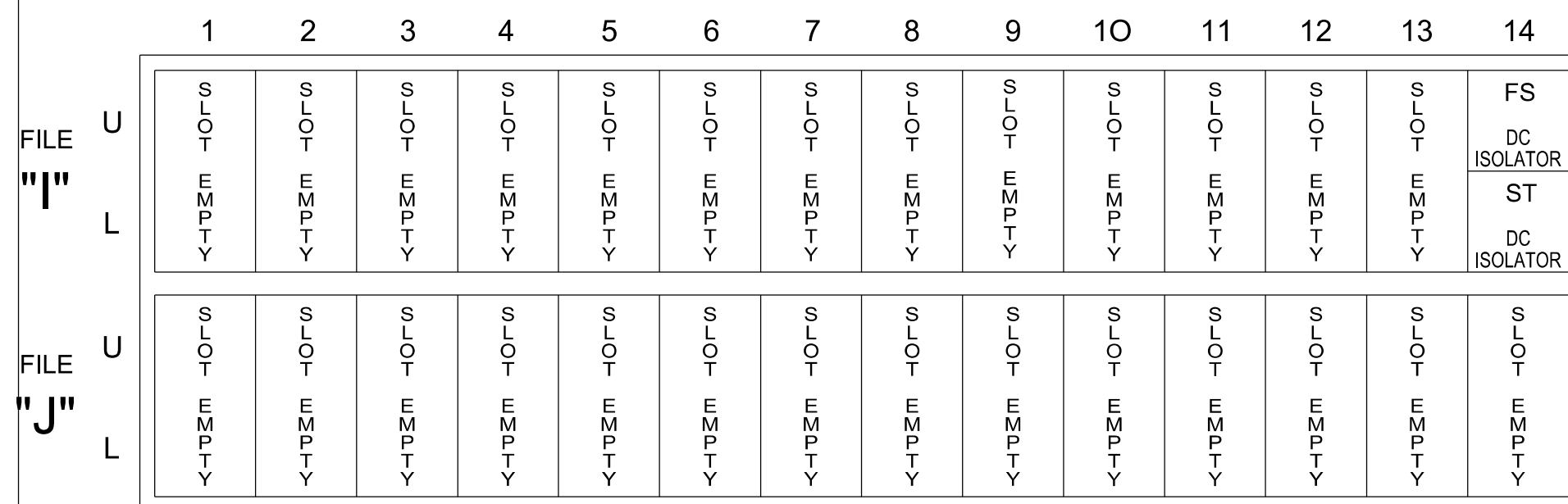
SIGNAL HEAD HOOK-UP CHART

| 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 | PED | 3 | 4 | PED | 5 | 6 | PED | 7 | 8 | PED | OL1 | OL2 | SPARE | OL3 | OL4 | SPARE |
| SIGNAL HEAD NO. | NU | NU | NU | 31,32 | NU | NU | NU | 61,62,63 | NU | NU | 81,82,83 | NU | NU | NU | NU | NU | NU | NU |
| RED | | | | | | | | 134 | | | 107 | | | | | | | |
| YELLOW | | | | | | | | 135 | | | | | | | | | | |
| GREEN | | | | | | | | | | | | | | | | | | |
| RED ARROW | | | | 116 | | | | | | | | | | | | | | |
| YELLOW ARROW | | | | 117 | | | | | | | 108 | | | | | | | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | | | | | | |
| GREEN ARROW | | | | 118 | | | | 136 | | | 109 | | | | | | | |

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 * See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME

SPECIAL DETECTOR NOTE

Install a video 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: 11-1146T5
 DESIGNED: May 2023
 SEALED: 5/26/2023
 REVISED: N/A



VHB Engineering NC, P.C. (C-3705)
 940 Main Campus Drive, Suite 500
 Raleigh, NC 27606
 919.829.0328

Temporary Installation - Electrical Detail 1 of 1 (Phase 12)

| | | | | | | |
|--|--|--------------------------|---|-------------------|------------------------|------|
| | US 421 | | at | | US 421 Business | |
| | Division 11 | | Wilkes County | | Wilkesboro | |
| | PLAN DATE: May 2023 | REVIEWED BY: M.L.Stygles | PREPARED BY: S.R.Chiluka | REVIEWED BY: J.Ma | INIT. | DATE |
| | 750 N. Greenfield Pkwy, Garner, NC 27529 | | Documented by: <i>Matthew L. Stygles</i> 5/26/2023 DATE: _____ SIG. INVENTORY NO. II-1146T5 | | | |