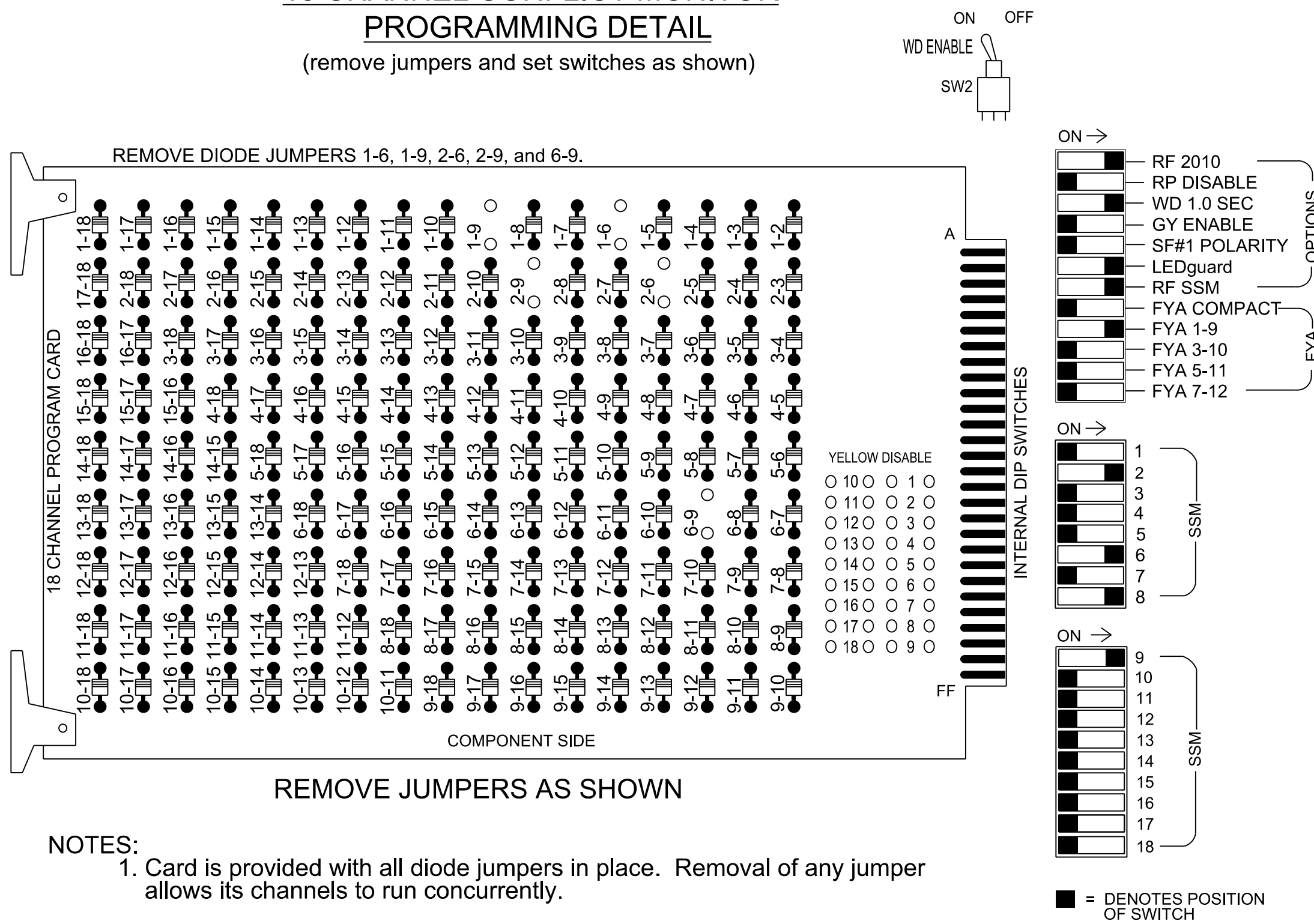


## 18 CHANNEL CONFLICT MONITOR

### 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 controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
4. This cabinet and controller are part of the D11-03\_Boone Signal 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, S8, S11, AUX S1  |
| Phases Used.....           | 1, 2, 6, 8               |
| Overlap "1".....           | *                        |
| Overlap "2".....           | NOT USED                 |
| Overlap "3".....           | NOT USED                 |
| Overlap "4".....           | NOT USED                 |

\*See overlap programming detail on sheet 2

## INPUT FILE POSITION LAYOUT

(front view)

[illegible]

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       | 11U             | 56      | 18          | ★ 1          | 1          | 15.0       |             | X      |               | X    |                    |
|          |               |                 |         |             | ★ 29         | 6          | -          |             | X      |               | X    |                    |

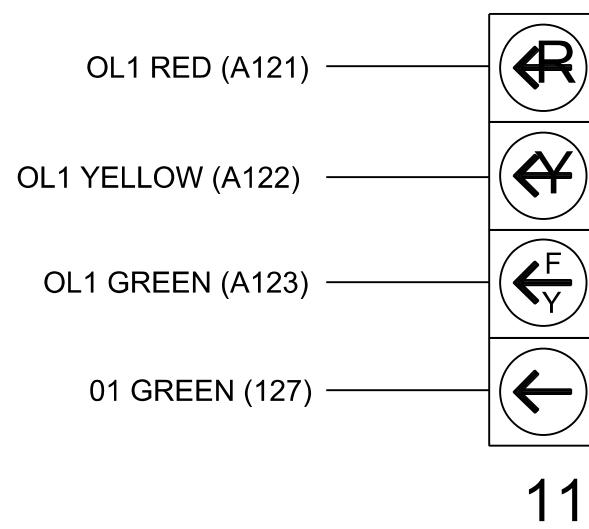
★ For the detectors to work as shown on the signal design plan, see the Detector Programming Detail for Alternate Phasing on sheet 2.

INPUT FILE POSITION | LEGEND: J2I

FILE J \_\_\_\_\_  
SLOT 2 \_\_\_\_\_  
LOWER \_\_\_\_\_

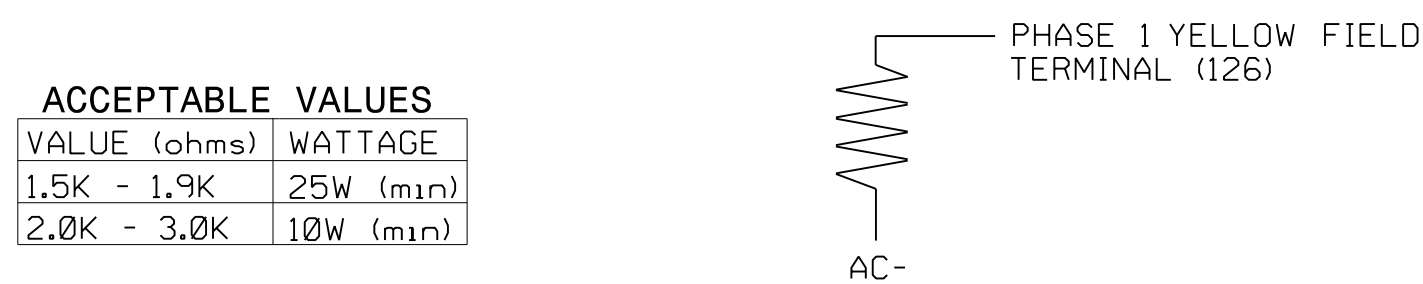
## FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



## LOAD RESISTOR INSTALLATION DETAIL

*(install resistor as shown below)*



### SPECIAL DETECTOR NOTE

Install a multi-zone microwave detection system for vehicle detection zones 1A, 2A, 6A, 8A, and 8B. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

Signal Upgrade - Temporary Signal 2  
TMP Phase VI Steps 1-3  
Electrical Detail - Sheet 1 of 2

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETE**

[illegible]