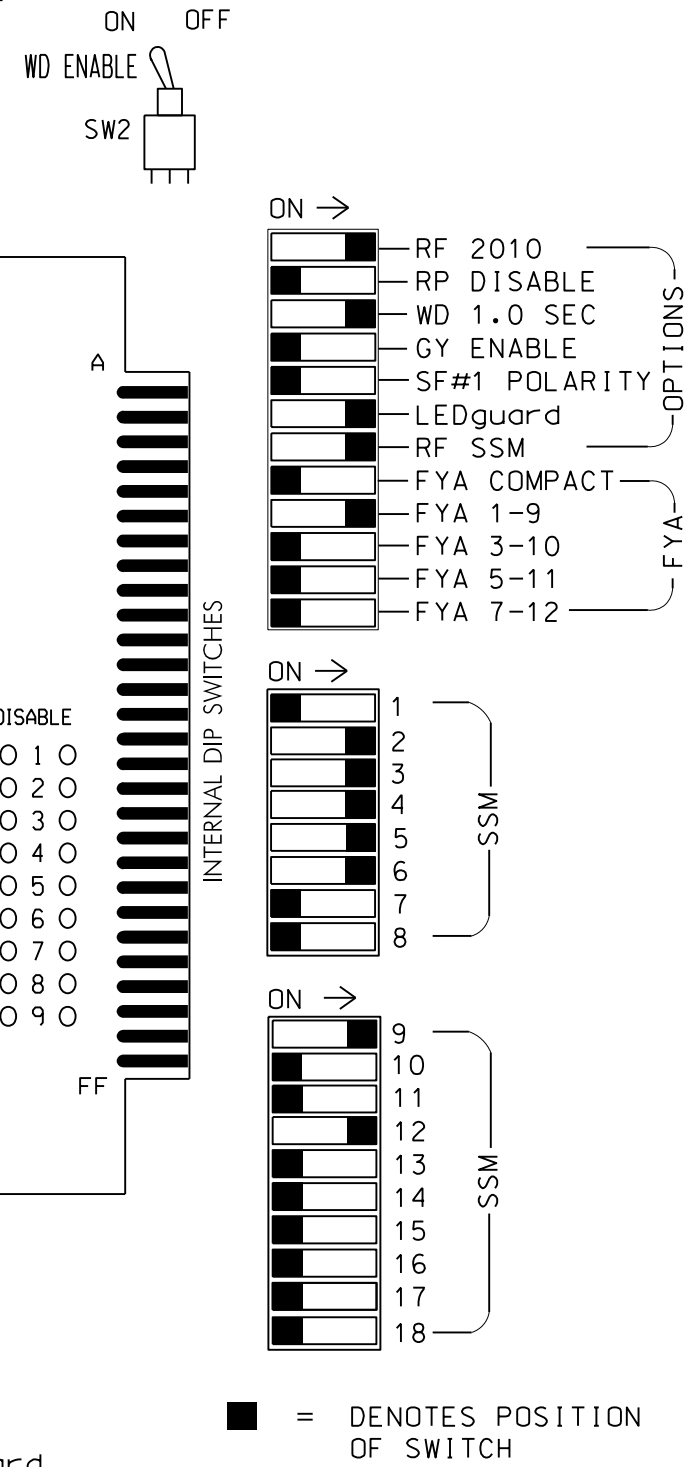
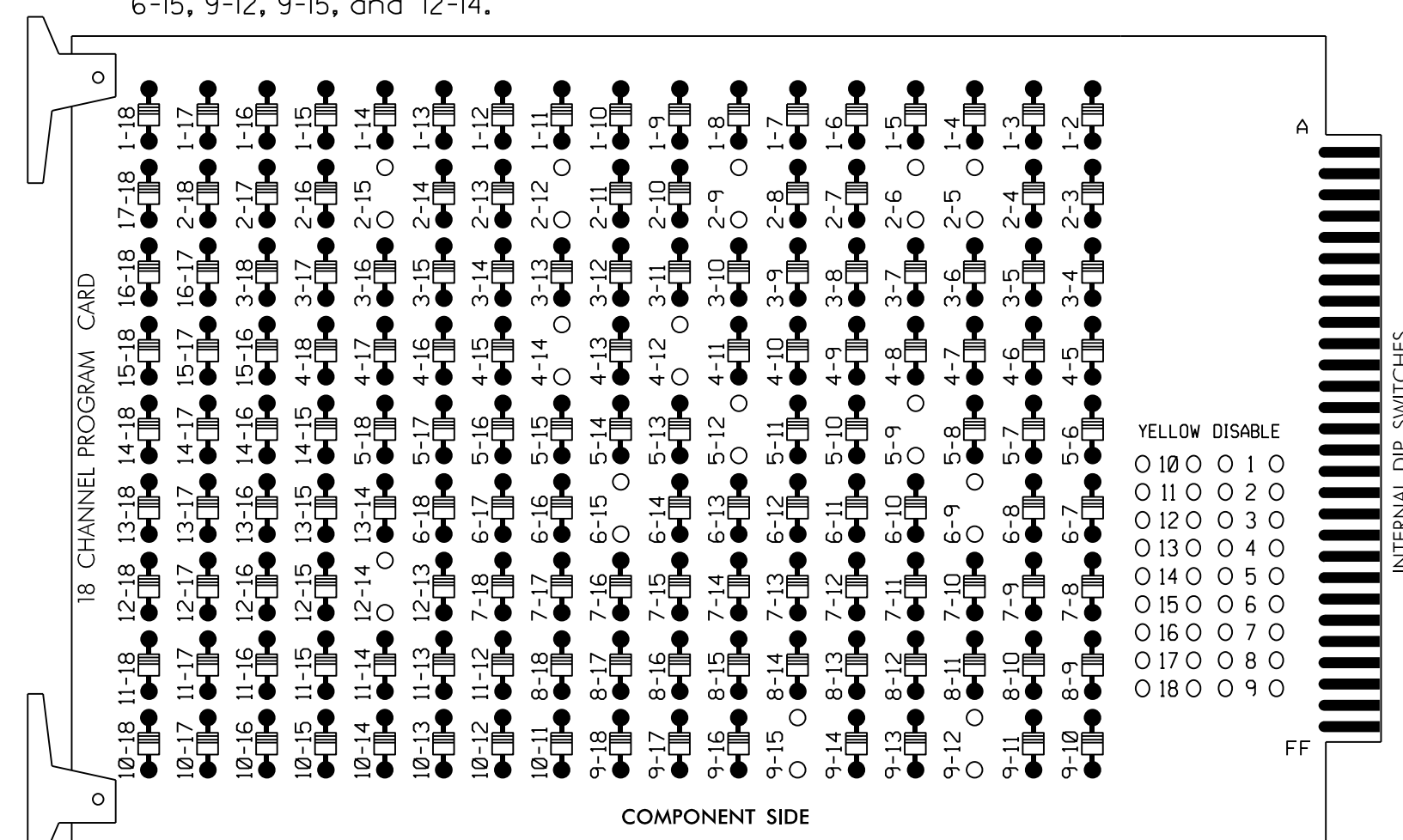


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-5, 2-6, 2-9, 2-12, 2-15, 4-12, 4-14, 5-9, 5-12, 6-9, 6-15, 9-12, 9-15, and 12-14.



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 Red Enable is active at all times during normal operation. 4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller.

NOTES

- 1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. 2. Enable Simultaneous Gap-Out for all Phases. 3. Program phases 2 and 6 for Variable Initial and Gap Reduction. 4. Program phases 2 and 6 for Startup In Green. 5. Program phases 4 and 6 for Startup Ped Call. 6. Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps. 7. 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.....2070
CABINET.....332 W/ AUX
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE LOAD SWITCHES USED.....S2,S4,S5,S6,S7,S8,S9,AUX S1, AUX S5
PHASES USED.....2,3,4,PED,5,6,6PED
OVERLAP "A".....2
OVERLAP "B".....NOT USED
OVERLAP "C".....NOT USED
OVERLAP "D".....4+5

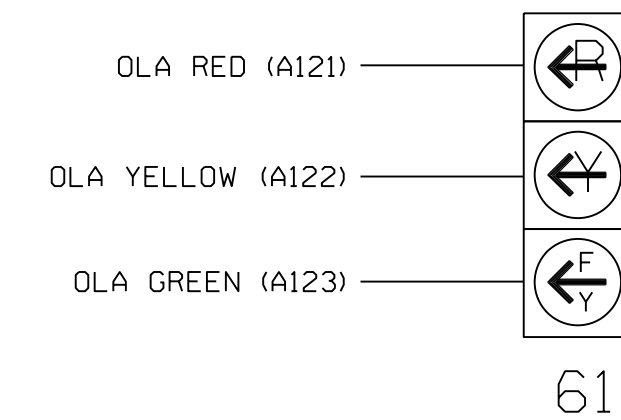
SIGNAL HEAD HOOK-UP CHART

Table with columns for Load Switch No., S1-S12, AUX S1-S6, and Signal Head No. (RED, YELLOW, GREEN, RED ARROW, YELLOW ARROW, FLASHING YELLOW ARROW, GREEN ARROW).

NU = Not Used
★ See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



INPUT FILE POSITION LAYOUT

(front view)

Table showing input file positions 1-14 with terminal designations (e.g., 2A/S1, 3A, 4A, 5A, 5C, 5B, 5D) and notes on DC isolators.

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

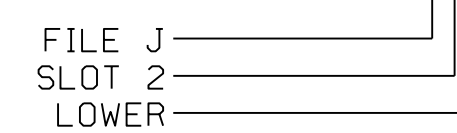
FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

Table with columns: LOOP NO., LOOP TERMINAL, INPUT FILE POS., PIN NO., INPUT ASSIGNMENT NO., DETECTOR NO., NEMA PHASE, CALL, EXTEND, FULL TIME DELAY, STRETCH TIME, DELAY TIME.

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

INPUT FILE POSITION LEGEND: J2L



COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1689T1
DESIGNED: MAY 2022
SEALED: 3/24/2023
REVISED: N/A

SPECIAL DETECTOR NOTE

For Detector Zones 6A, 6B and 6C, install a temporary 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.

Temporary Design 1 - TMP Phase I
Electrical Detail - Sheet 1 of 2

Stantec logo and contact information: Stantec Consulting Services Inc., 801 Jones Franklin Road-Suite 300, Raleigh, NC 27606.

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Project information: SR 1100 (Brawley School Road) at SR 1116 (Talbert Road)/SR 2906 (Sunfish Drive). Division 12, Iredell County, Mooresville. PLAN DATE: May 2022, REVIEWED BY: E D Harris.

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