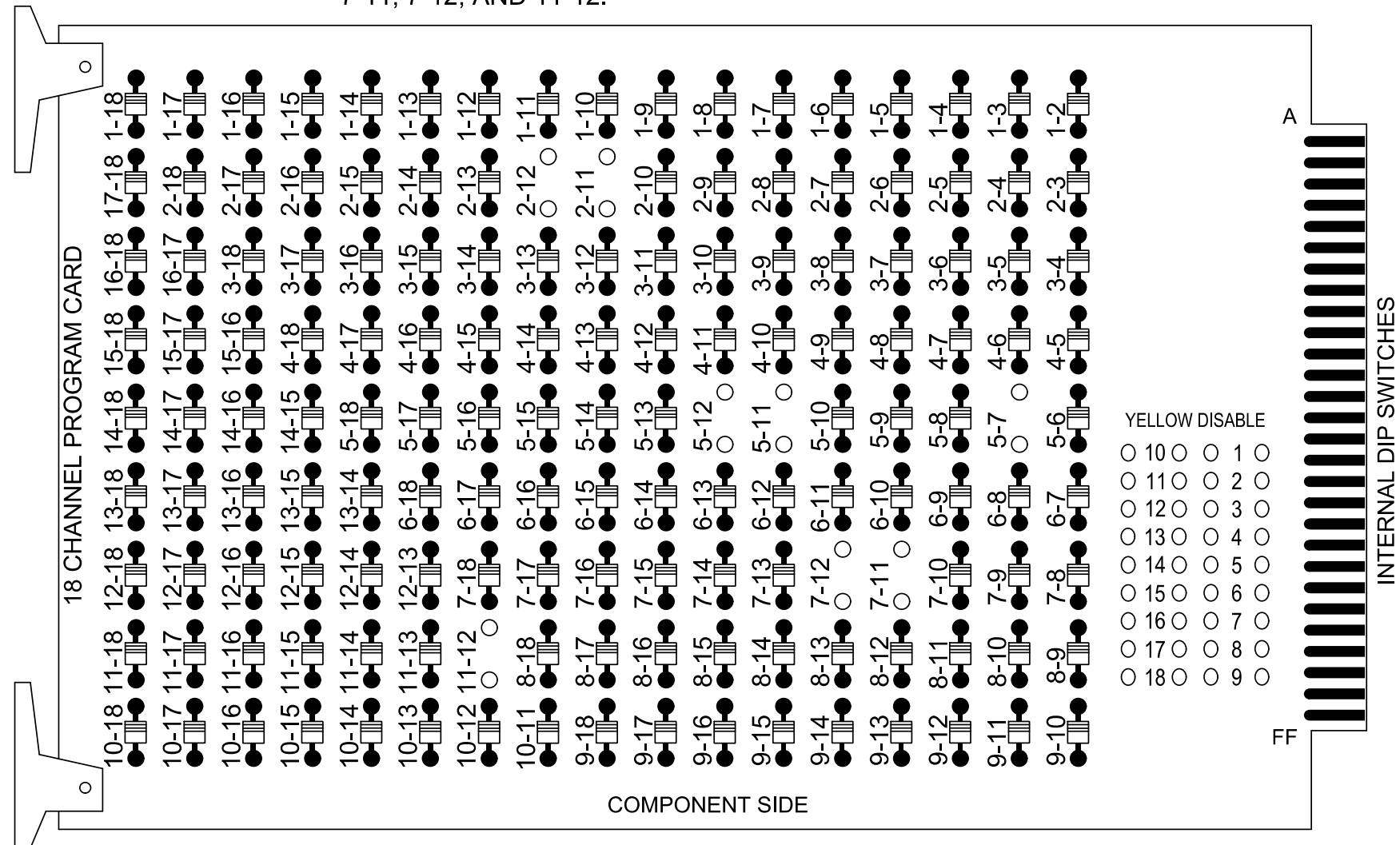


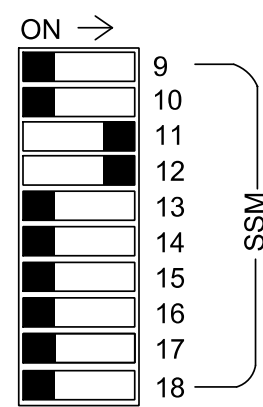
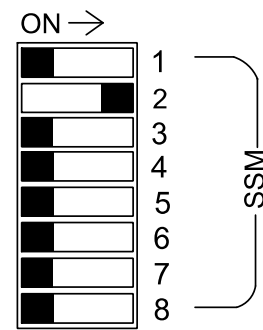
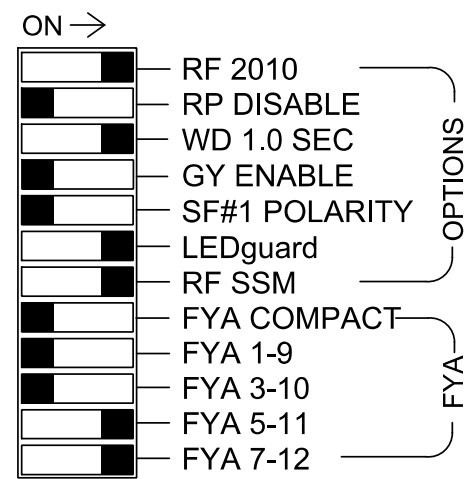
(remove jumpers and set switches as shown)

(remove jumpers and set switches as shown)



NOTES:

- ON OFF
WD ENABLE
SW2



■ = DENOTES POSITION OF SWITCH

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.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
4. The cabinet and controller are part of the US 321 Closed Loop Signal System.

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S2, S7, S10, AUX S4, AUX S5
Phases Used.....	2, 7
Overlap "1".....	NOT USED
Overlap "2".....	NOT USED
Overlap "3".....	*
Overlap "4".....	*
Overlap "7".....	*

*See overlap programming detail on sheet 2

[illegible]

NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

(front view)

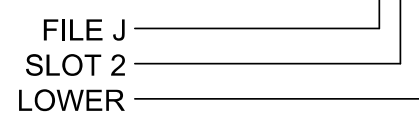


FS = FLASH SENSE
ST = STOP TIME

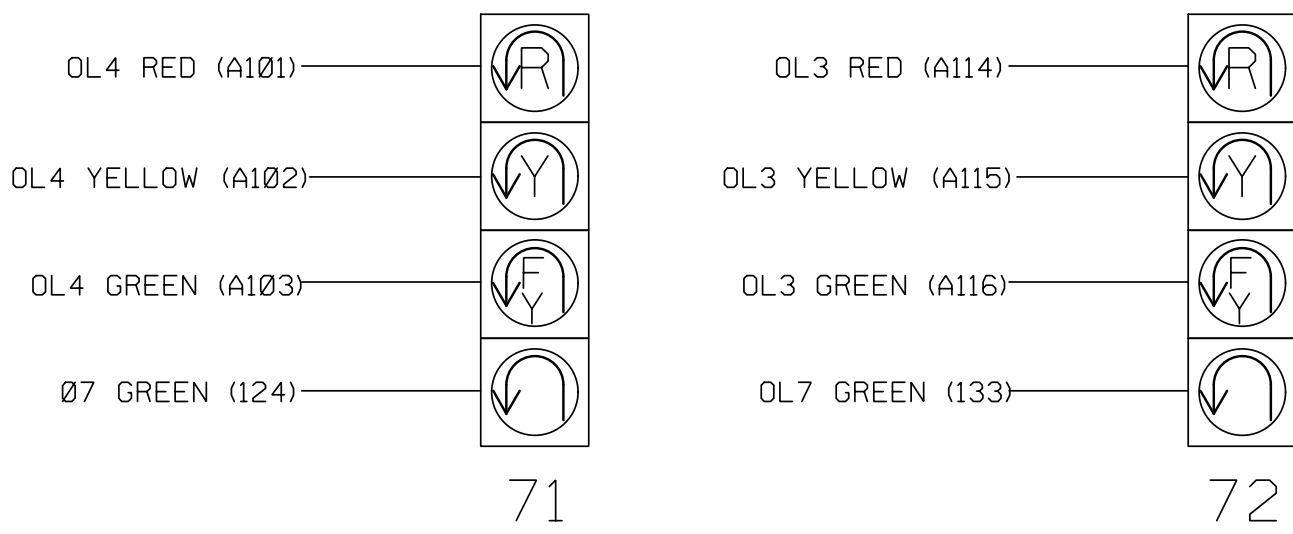
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A	TB2-5,6	I2U	39	1	2	2			X	X	X	
2B	TB2-7,8	I2L	43	5	3	2			X	X	X	
7A	TB5-5,6	J5U	57	19	21 ★	7	15.0		X		X	

* For the detectors to work as shown on the signal plan, see the Vehicle Detector Setup Programming Detail for Alternate Phasing on sheet 3.

INPUT FILE POSITION LEGEND: J2L

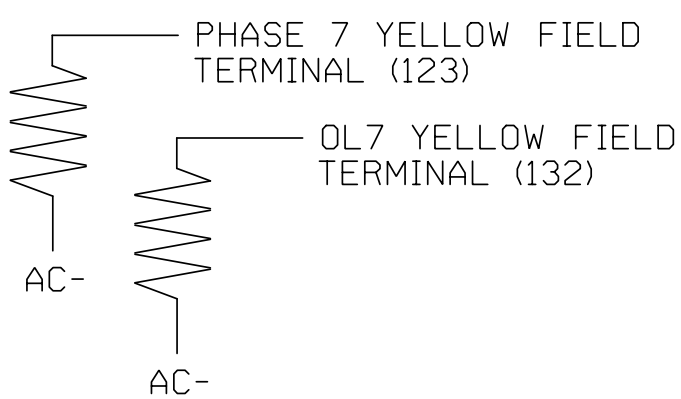


(wire signal heads as shown)



(install resistors as shown below)

ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



stv

STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
(704) 372-1885
NC License Number F-0991

ELECTRICAL DETAIL SHEET 1 OF 3

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 11-1453
DESIGNED: Sept 2023
SEALED: 10/18/2023
REVISED:

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

ELECTRICAL DETAIL SHEET 1 OF 3

US 321 (Hickory Boulevard) SB
at U-Turn North of
SR 1108 (Mission Road)/
SR 1108 (Lower Cedar Valley Road)

Division 11	Caldwell County	Hudson
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PLAN DATE: Sept 2023	REVIEWED BY: D.J. Darity
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PREPARED BY: R.L. Aristondo	REVIEWED BY: T.M. Moody
-----------------------------	-------------------------

REVISIONS	INIT.	DATE

[illegible]

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
19713
ENGINEER
DONALD J. DARITY

DocuSigned by:

Donald J. Darty 10/18/2023

SIGNATURE		DATE
SIC	INVENTORY NO	11-1453