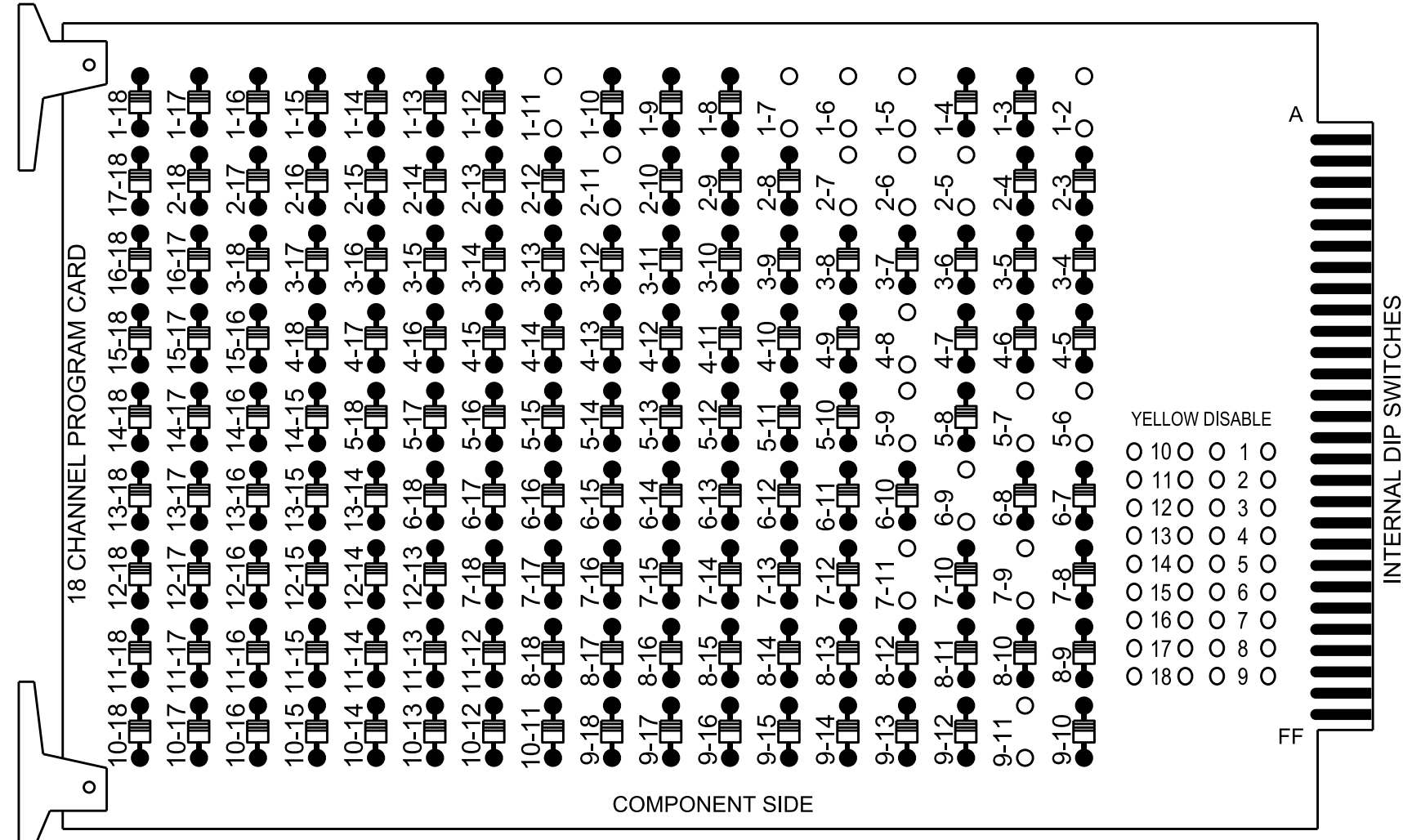


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

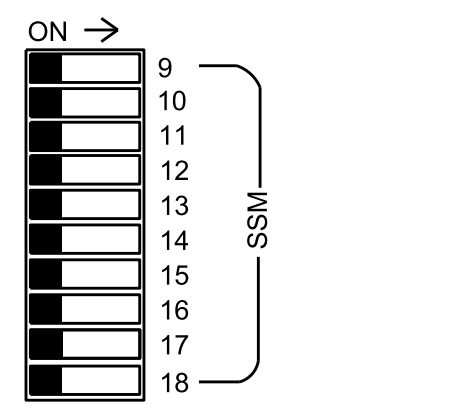
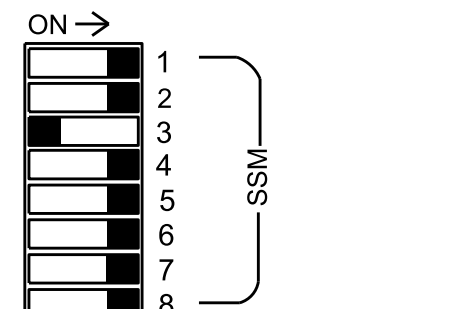
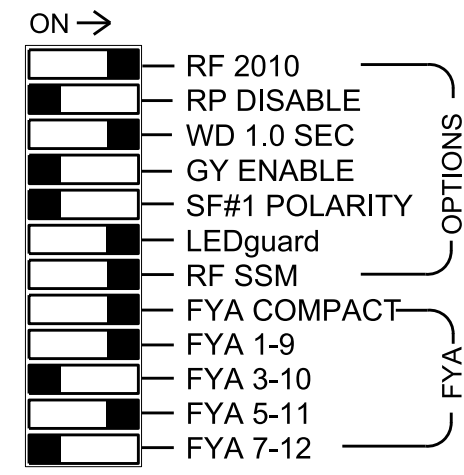
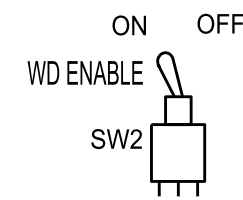
REMOVE DIODE JUMPERS 1-2, 1-5, 1-6, 1-7, 1-11, 2-5, 2-6, 2-7, 2-11, 4-8, 5-6, 5-7, 5-9, 6-9, 7-9, 7-11 and 9-11.



REMOVE JUMPERS 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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = DENOTES POSITION OF SWITCH

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 phases 4 and 8 for Dual Entry.
- 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.

EQUIPMENT INFORMATION

Controller.....2070LX
 Cabinet.....336
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Pole
 Output File Positions.....18 With Aux. Output File
 Load Switches Used.....S1, S2, S3, S5, S7, S8, S9, S10, S11
 Phases Used.....1, 2, 4, 5, 6, 8
 Overlap "1".....*
 Overlap "2".....Not Used
 Overlap "3".....*
 Overlap "4".....Not Used
 Overlap "7".....*

*See overlap programming detail on sheet 2

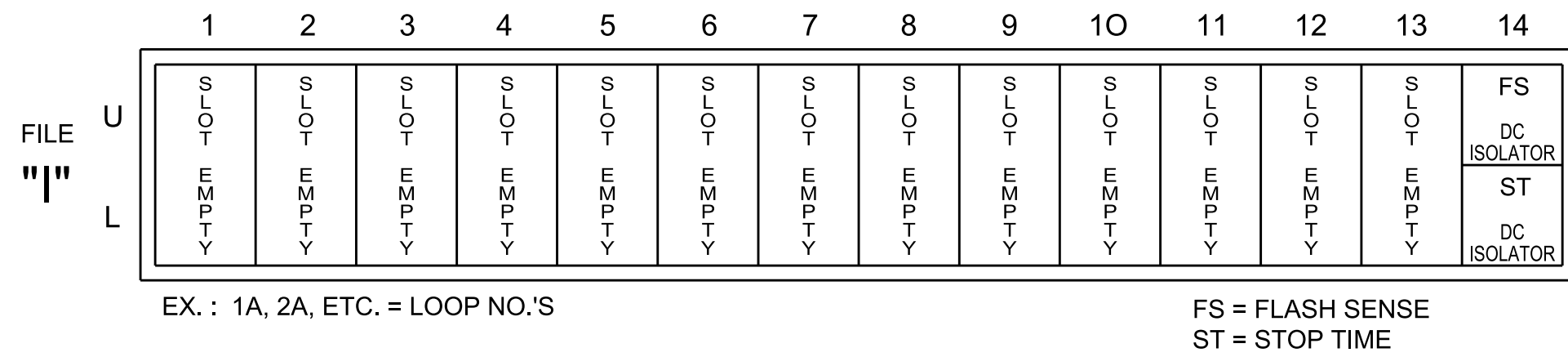
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12		
CMU CHANNEL NO.	1	2	9	13	3	4	14	5	6	11	15	7	8	16
PHASE	OL1	2	1 GRN	2 PED	3	4	4 PED	OL3	6	5 GRN	6 PED	OL7	8	8 PED
SIGNAL HEAD NO.	11*	21,22	11*	NU	NU	41,42	NU	51*	61,62	51*	NU	42	81,82	NU
RED		128				101		134			*	107		
YELLOW		129				102		135				108		
GREEN		130				103		136				109		
RED ARROW	125							131						
YELLOW ARROW	126							132				123		
FLASHING YELLOW ARROW	127							133						
GREEN ARROW			114							120		124		
				*							*			

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)

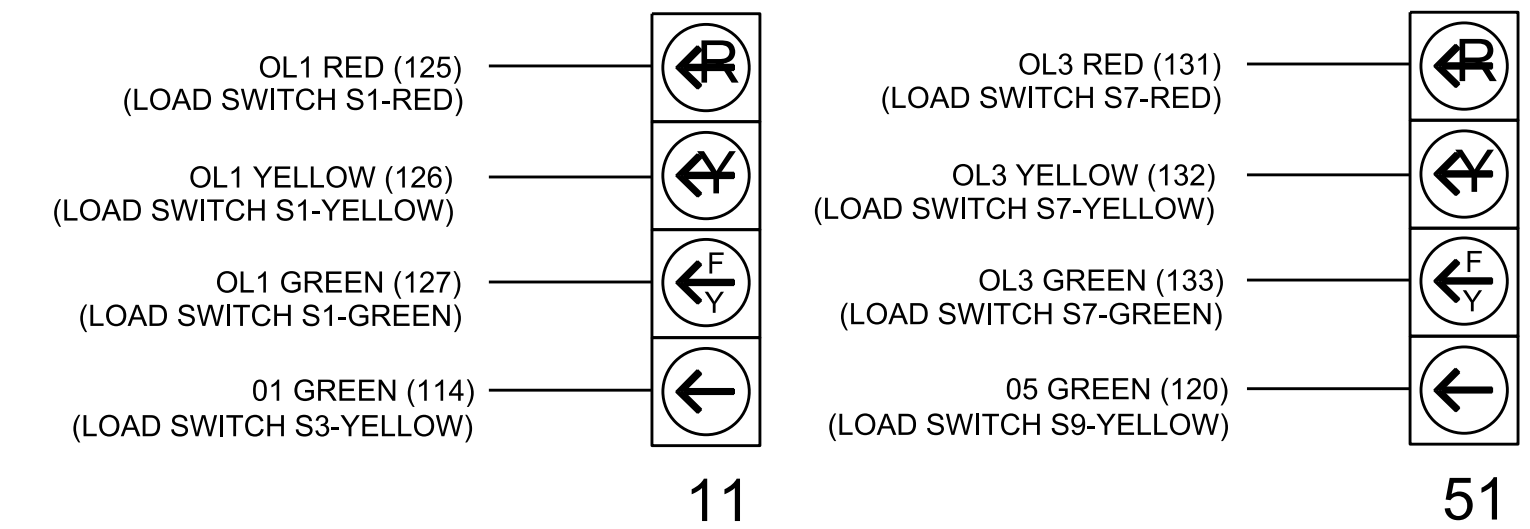


SPECIAL DETECTOR NOTE

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.

FYA SIGNAL WIRING DETAIL

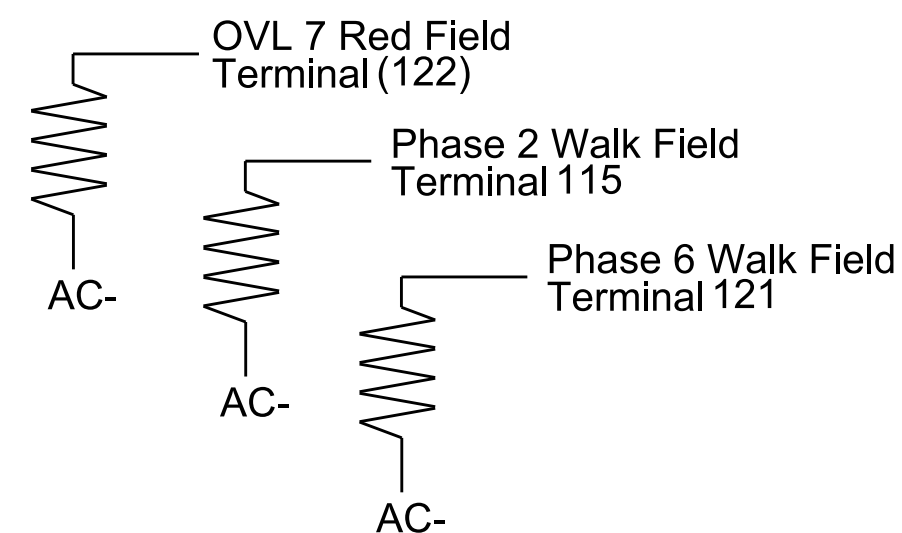
(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



This Plan Supersedes Electrical Detail Sealed on 11/16/2023

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-0063T1
 DESIGNED: February 2024
 SEALED: 3/4/2024
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 601 (S. State Street) at SR 1146 (Lee Avenue)

Division 11 Yadkin County Yadkinville

PLAN DATE: February 2024 REVIEWED BY:
 PREPARED BY: Zarrar Zafar REVIEWED BY:
 REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031001 ENGINEER TODD JOYCE

DocuSigned by: D. Todd Joyce 03/06/2024

SIG. INVENTORY NO. 11-0063T1