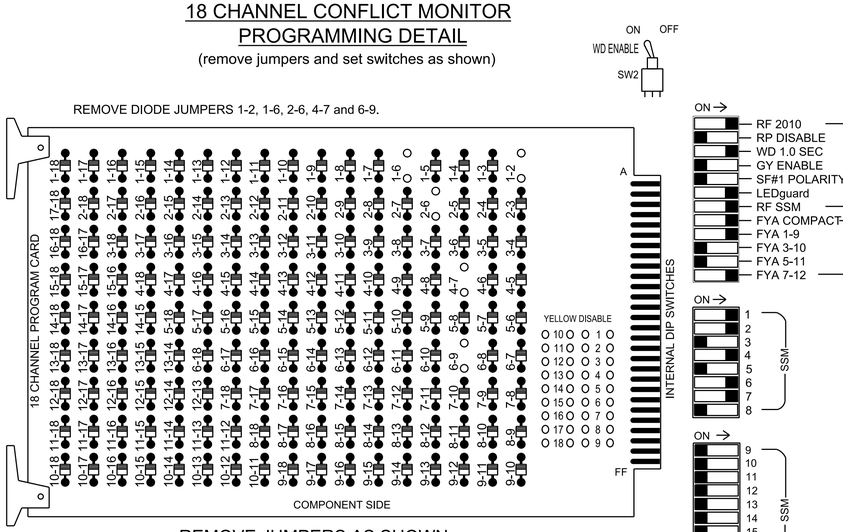
PROJECT REFERENCE NO.	SHEET NO.
U-5809	Sig. 3.1

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. 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 controller to start up in phase 2 Green No Walk and 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. The cabinet and controller are part of the US 601 (Yadkinville) System 1 (TBC).

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....336
Software.....Q-Free MAXTIME
Cabinet Mount.....Pole
Output File Positions.....12
Load Switches Used.....S1, S2, S3, S5, S8, S10
Phases Used.....1, 2, 4, 6
Overlap "1".....*
Overlap "2".....Not Used
Overlap "3".....Not Used
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		15	7	8	16
PHASE	OL1	2		1 GRN	2 PED	3	4	4 PED	5	6		6 PED	OL7	8	8 PED
SIGNAL HEAD NO.	11★	21	22	11★	NU	NU	41,42	NU	NU	61	62	NU	43	NU	NU
RED		128	128				101			134	134		122		
YELLOW		129	129				102			135	135				
GREEN			130				103			136					
RED ARROW	125														
YELLOW ARROW	126												123		
FLASHING YELLOW ARROW	127												124		
✋															
GREEN ARROW		130		114							136				
🚶					*										

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)

	1	2	3	4	5	6	7	8	9	1O	11	12	13	14
FILE "I" U	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
FILE "I" L														ST DC ISOLATOR

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

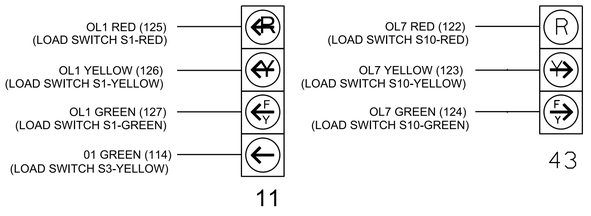
FS = FLASH SENSE
ST = STOP TIME

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.

FYA SIGNAL WIRING DETAIL

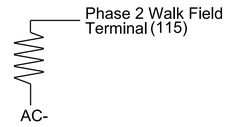
(wire signal head as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistor 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: 11-1208T1
DESIGNED: February 2024
SEALED: 3/4/2024
REVISED: N/A

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

Prepared in the Offices of:

Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Traffic Engineering & Signals Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

US 601 (S. State Street)
at
US 421 Southbound Ramp

Division 11 | Yadkin County | Yadkinville

PLAN DATE: November 2023 | REVIEWED BY:
PREPARED BY: Zarrar Zafar | REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

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

SIG. INVENTORY NO. 11-1208T1

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