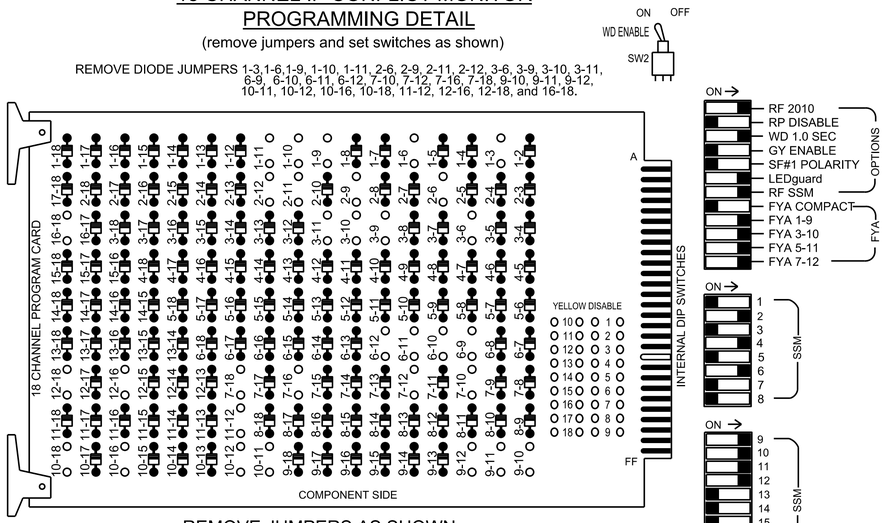
Docusign Envelope ID: 36580773-415B-476F-A36B-758F4DD8E07D

PROJECT REFERENCE NO.	SHEET NO.
U-5875	Sig. 5.1

18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-3,1-6,1-9, 1-10, 1-11, 2-6, 2-9, 2-11, 2-12, 3-6, 3-9, 3-10, 3-11, 6-9, 6-10, 6-11, 6-12, 7-10, 7-12, 7-16, 7-18, 9-10, 9-11, 9-12, 10-11, 10-12, 10-16, 10-18, 11-12, 12-16, 12-18, and 16-18.



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.

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Program controller to start up in phase 2 Green and 6 Green.
3. The cabinet and controller are part of the Greenville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
CABINET.....332 W/AUX
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED....S1,S2,S4,S5,S8, S10,S12,AUX S1,AUX S2, AUX S4,AUX S5,AUX S6

PHASES USED.....1,2,3,3PED,4,6
OVERLAP "A".....*
OVERLAP "B".....*
OVERLAP "C".....*
OVERLAP "D".....*
OVERLAP "E".....NOT USED
OVERLAP "F".....*
OVERLAP "G".....*
OVERLAP "H".....*

* 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	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6	
CMU CHANNEL NO.	1	2	13	3	4		14	5	6	15	7	8	16	9	10	17	11	12	18	
PHASE	1	2	2 PED	OLG	4		4 PED	5	6	6 PED	OLH	8	3 PED	OLA	OLB	SPARE	OLC	OLD	OLF	
SIGNAL HEAD NO.	11★	22,23	NU	33★	41	42	NU	NU	61,62	NU	24★	NU	P31, P32	11★	33★	NU	21★	24★	31	32
RED		128			101	101			134						A124			A101	A104	A104
YELLOW	*	129		*	102	102			135		*								A105	A105
GREEN		130			103	103			136										A106	A106
RED ARROW														A121			A114			
YELLOW ARROW														A122	A125		A115	A102		
FLASHING YELLOW ARROW														A123	A126		A116	A103		
GREEN ARROW	127			118	103						124								A106	
✋													110							
🚶													112							

NU = Not Used

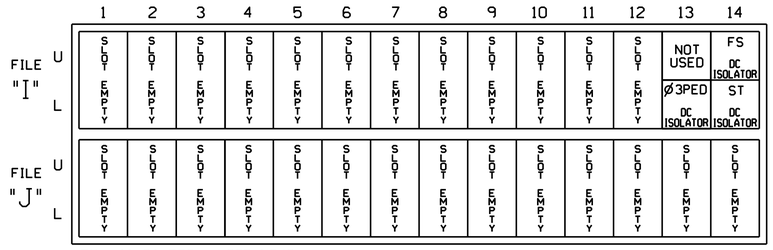
* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

NOTE: Output functions for load switches S4, S10, and S12 have been reassigned. See sheet 2 for details.

INPUT FILE POSITION LAYOUT

(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

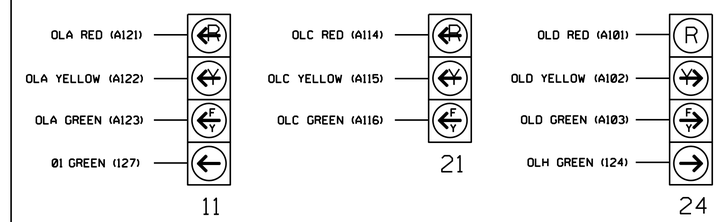
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
PED PUSH BUTTONS										
P31,P32	TB8-8,9	I13L	70	PED 8	3 PED					

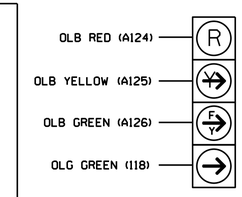
NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOT I13.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

FYA SIGNAL WIRING DETAIL

(wire signal head as shown)





NOTE
See overlap programming instructions on sheet 2.

SPECIAL DETECTOR NOTE

Install a multizone microwave 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.

ECONOLITE ASC/3-2070 STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select [2. CONTROLLER]
2. From CONTROLLER Submenu select [5. START/FLASH]

```
START/FLASH DATA
------START UP--------------------------
          1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
PHASE     G       G
          A B C D E F G H I J K L M N O P
OVERLAP   X X X X X X X X X X X X X X X X
FLASH>MON. NO FL TIME..  0 ALL RED...  6
PWR START SEQ..  1 MUTCD→ YES   Y- G: NO
```

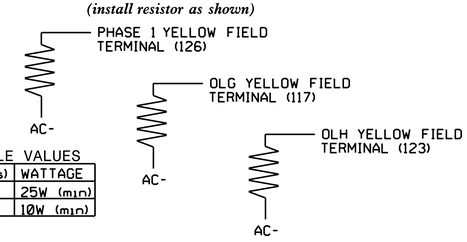
Scroll down on this screen and set "Exit Fl" to Green "G"

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.

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 ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0500T2
DESIGNED: July 2025
SEALED: 07/15/2025
REVISED: N/A

Temporary Signal 2 - TMP Phase III
Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:
Mobility and Safety Division
Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

SR 1467 (Stantonsburg Road)
at
SR 1203 (Allen Road)

Division 02 Pitt County Greenville

PLAN DATE: July 2025 REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE
DocuSigned by: Steven G. Haynie 7/15/2025
SIGNATURE DATE
SIG. INVENTORY NO. 02-0500T2

7/14/2025
X:\#2410306\03_Ui-5875 Signals & Comms (SEPI TDM4)\#Design\#Traffic\#Signals\#Design\#Plan Sheets\#Ui-5875 Signal Sheets\#02050072_sm.ele.20250623.dgn
4:07:03 PM