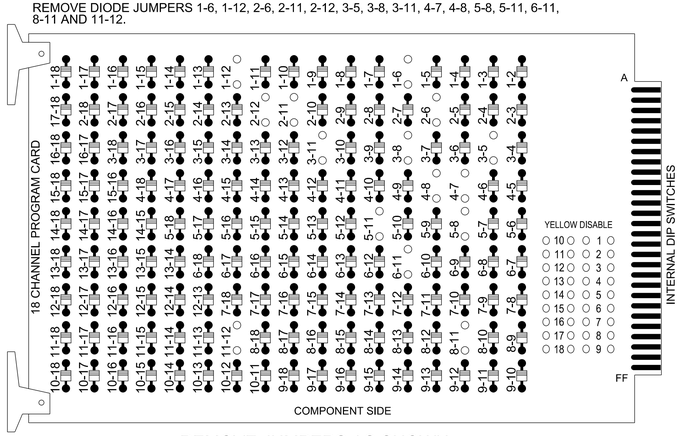
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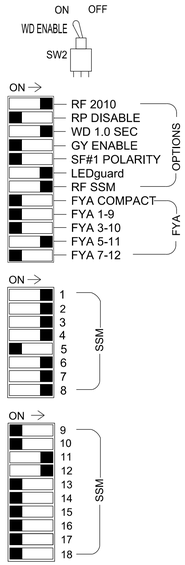
PROJECT REFERENCE NO.	SHEET NO.
U-3422B	Sig-4.4

18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-12, 2-6, 2-11, 2-12, 3-5, 3-8, 3-11, 4-7, 4-8, 5-8, 5-11, 6-11, 8-11 AND 11-12.





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 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 phase 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 Camden Road Closed Loop Signal.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S4, S5, S7, S8, S10, S11, AUX S4,AUX S5
Phases Used.....1, 2, 3, 4, 5, 6, 7, 8
Overlap "1".....NOT USED
Overlap "2".....NOT USED
Overlap "3".....*
Overlap "4".....*
Overlap "5".....NOT USED
Overlap "6".....NOT USED
Overlap "7".....NOT USED
Overlap "8".....*

*See overlap programming detail on sheet 2.

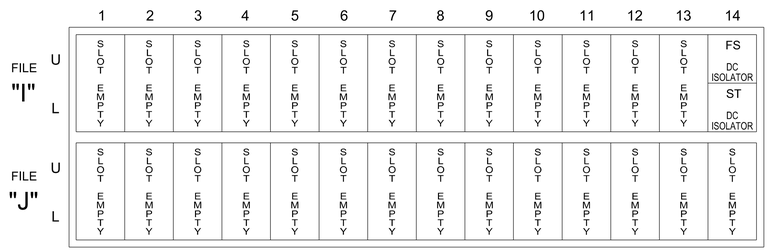
SIGNAL HEAD HOOK-UP CHART

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	3	4	4 PED	OL8	6	6 PED	7		8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11,12	82	21,22, 24	NU	31,32	41,42	NU	23 ★	61,62	NU	62	71	81,82	NU	NU	NU	NU	23 ★	51,52	NU
RED			128			101			134				107					A114		
YELLOW			129			102		★	135				108							
GREEN			130			103			136				109							
RED ARROW	125				116							122							A101	
YELLOW ARROW	126	126			117						123	123						A115	A102	
FLASHING YELLOW ARROW																		A116		
GREEN ARROW	127	127			118			133			124	124							A103	

NU = Not Used
★ See pictorial of head wiring in detail this sheet.
★ Denotes install load resistor. See load resistor installation detail this sheet.
★★ Load switch S7 must be reassigned. See programming detail on sheet 2.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

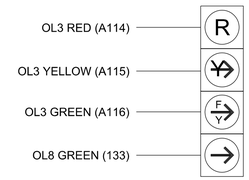
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	-	-	-	*	33	1	3.0		X		X	
1B	-	-	-	*	49	1	15.0		X		X	
2A	-	-	-	*	38	2			X		X	
3A	-	-	-	*	34	3			X		X	
4A	-	-	-	*	44	4			X		X	
5A	-	-	-	*	35	5	3.0		X		X	
5B	-	-	-	*	51	5	15.0		X		X	
6A	-	-	-	*	54	6			X		X	
7A	-	-	-	*	36	7			X		X	
8A	-	-	-	*	60	8			X		X	

* For Input Point numbers, see SDLC Non-Intrusive Detection Chart detail on sheet 2.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

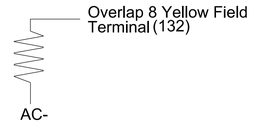
FYA SIGNAL WIRING DETAIL

(wire signal heads 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 THE PLAN SEALED ON 12/22/2023

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1412T2
DESIGNED: Sep 2026
SEALED: 09/11/2026
REVISED: N/A

Plans Prepared By:

DRMP
DRMP, Inc.
8210 University Executive Park Dr, Suite 220
Charlotte, NC 28262
NC License No. F-1524 (704) 549-4260

Electrical Detail - Sheet 1 of 2
Temporary Design 2 - (TMP III)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for:
NC Department of Transportation Mobility and Safety Division Traffic Engineering Branch & Signals Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

SR 1003 (Camden Road)
at
SR 1112 (Rockfish Road)

Division 6 Cumberland County Hope Mills

PLAN DATE: September 2026 REVIEWED BY: BN Groome
PREPARED BY: DS Griffith DRMP PROJ. NO.: 20191 (040)

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

Signed by: Brittany Groome 1E09340E1094464...
09/11/2026
SIGNATURE DATE

SIG. INVENTORY NO. 06-1412T2