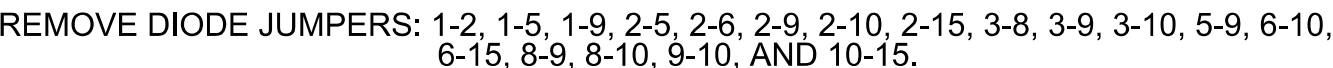


(remove jumpers and set switches as shown)

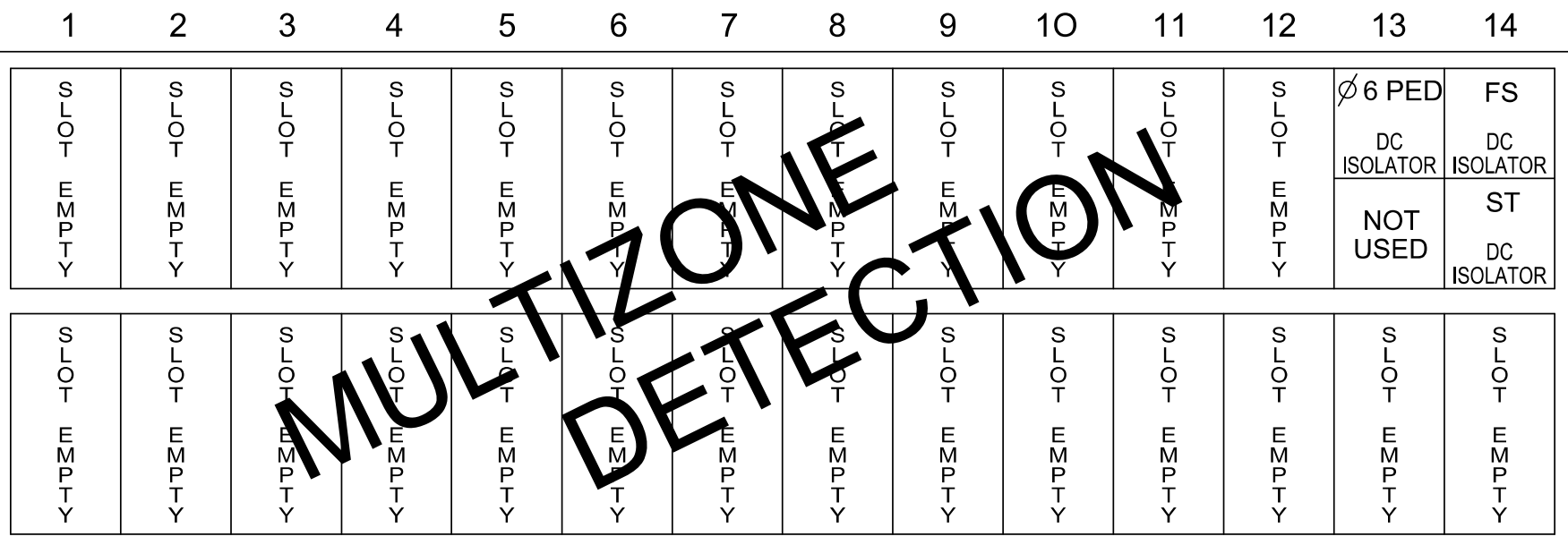
(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

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.

(front view)



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

FS = FLASH SENSE
ST = STOP TIME

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.

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 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 Signal System #D06-17 Lumberton US 301 and SR 1997 (Fayetteville Road).

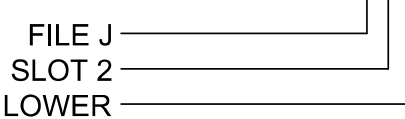
Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S1, S2, S4, S7, S8, S9, S11 AUX S1, AUX S2
Phases Used.....	2, 3, 5, 6, 6PED
Overlap "1".....	*
Overlap "2".....	*
Overlap "3".....	NOT USED
Overlap "4".....	NOT USED
Overlap "7".....	*
Overlap "8".....	*

*See overlap programming detail on sheet 2

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE
PED PUSH BUTTONS						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6

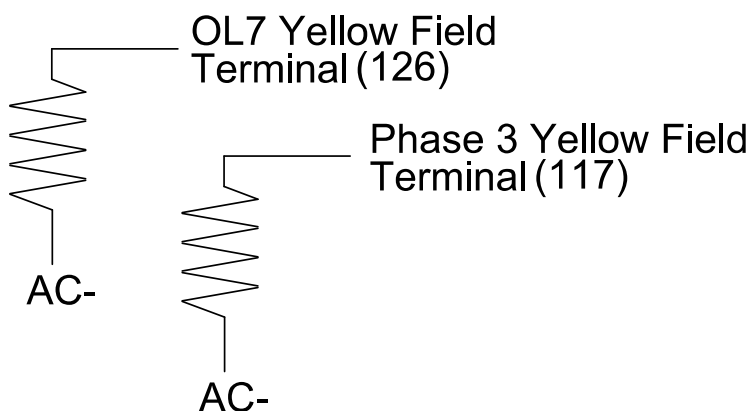
NOTE:
INSTALL DC ISOLATOR
IN INPUT FILE SLOT I13.

INPUT FILE POSITION LEGEND: J2L



(install resistors as shown)

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



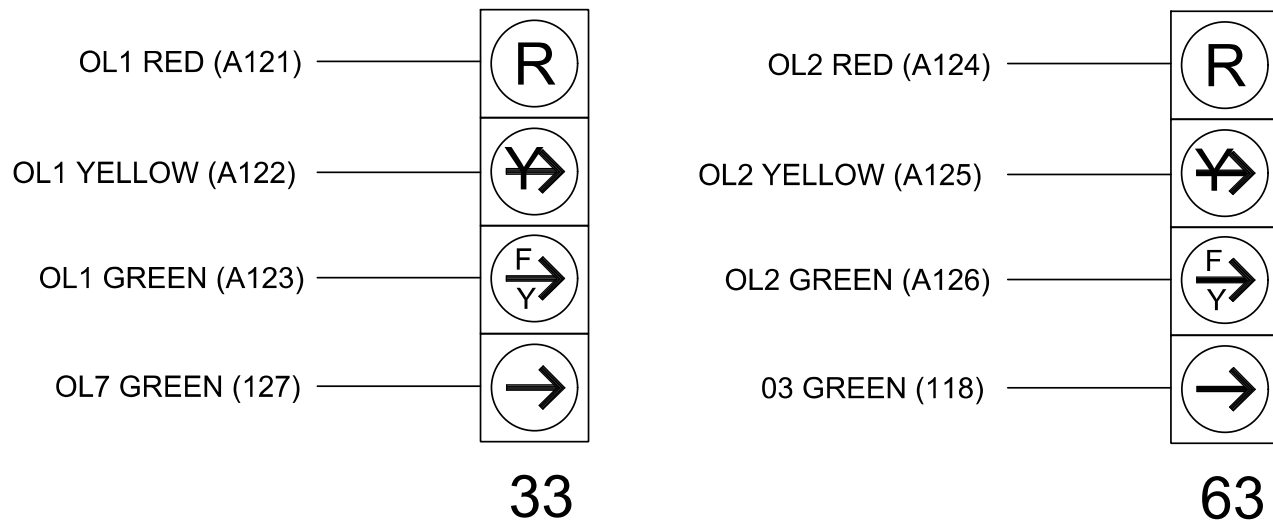
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	OL7	2	² PED	3	4	⁴ PED	5	6	⁶ PED	7	OL8	⁸ PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	33★	21,22	NU	63★	NU	NU	51	61,62	P61 P62	NU	31,32	NU	33★	63★	NU	NU	NU	NU
RED		128						134					A121	A124				
YELLOW	★	129		★				135										
GREEN		130						136										
RED ARROW								131				116						
YELLOW ARROW								132				117		A122	A125			
FLASHING YELLOW ARROW													A123	A126				
GREEN ARROW	127			118				133				118						
									119									
									121									

NU = Not Used

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

★ See pictorial of head wiring in detail this sheet.

(wire signal heads as shown)



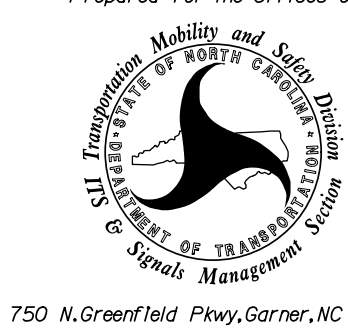
Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0537T2
DESIGNED: Feb 2025
SEALED: 3/19/2025
REVISED:

Temporary Design 2 - TMP Phase II, Step 3
Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

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



Prepared for the Offices of:

SR 1997 (Fayetteville Road)
at
SR 1984 (Linkhaw Road)

Division 6 Robeson County Lumberton

PLAN DATE: Feb 2025	REVIEWED BY: H.M. Surti
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PREPARED BY: B I Aristondo	REVIEWED BY: T M Moody
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REVISIONS		INIT.	DATE
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REVISIONS	INITIALS	DATE

[illegible]

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SEAL



DocuSigned by: [Signature]

[Signature]

45EA1D48387D4E0 3

SIGNATURE _____ 37

SIG. INVENTORY NO. 06-0