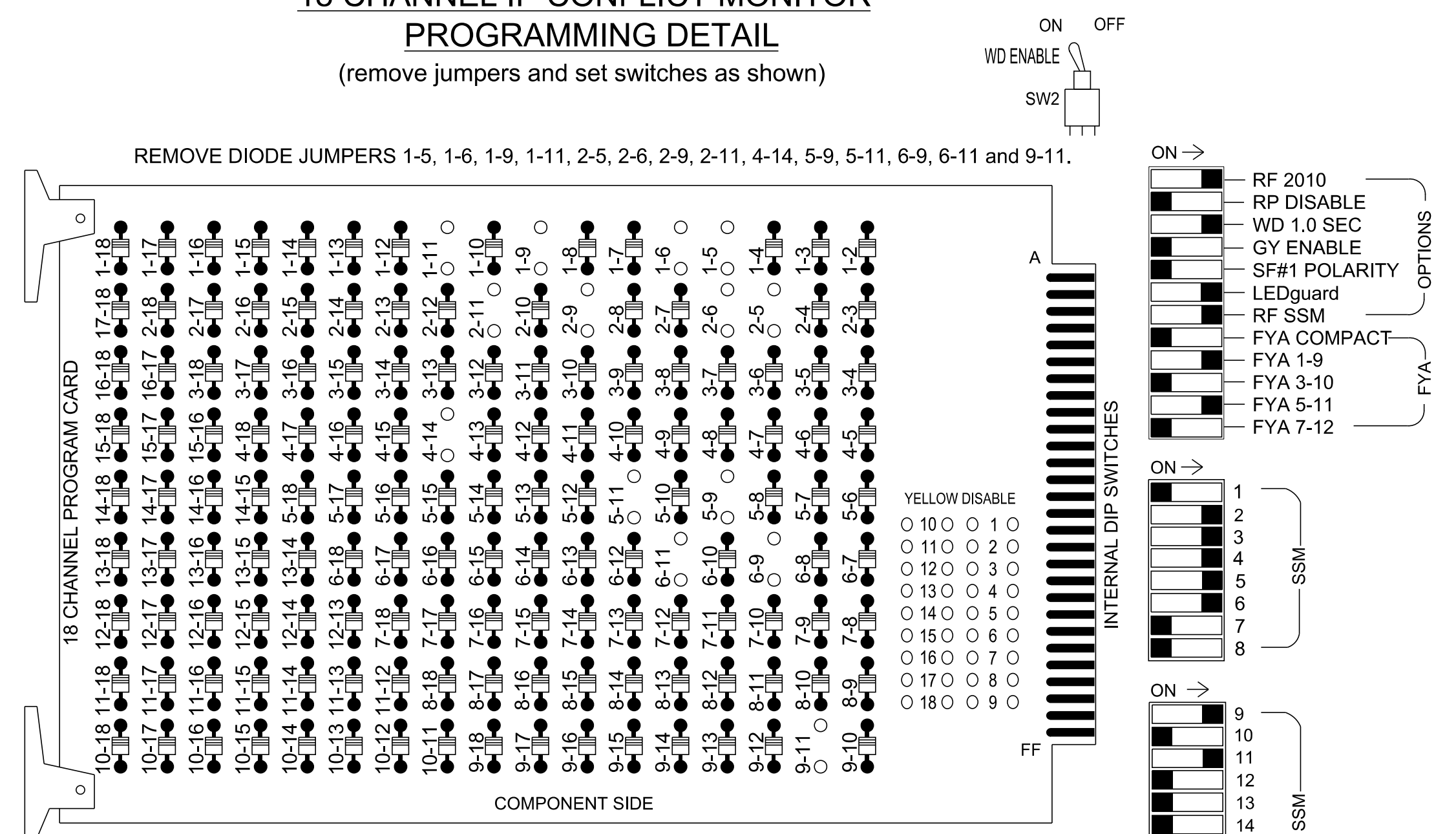


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.
- Integrate monitor with Ethernet network in cabinet.

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 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.
- The cabinet and controller are part of a Temporary Time Based Coordination System.

EQUIPMENT INFORMATION

Controller.....2070LX
 Cabinet.....332 w/ Aux
 Software.....Q-Free MAXTIME
 Cabinet Mount.....18 With Aux. Output File
 Load Switches Used.....S1, S2, S4, S5, S6, S7, S8, AUX S1, AUX S4
 Phases Used.....1, 2, 3, 4, 4PED, 5, 6,
 Overlap "1".....*
 Overlap "2".....NOT USED
 Overlap "3".....*
 Overlap "4".....NOT USED

*See overlap programming detail on sheet 2

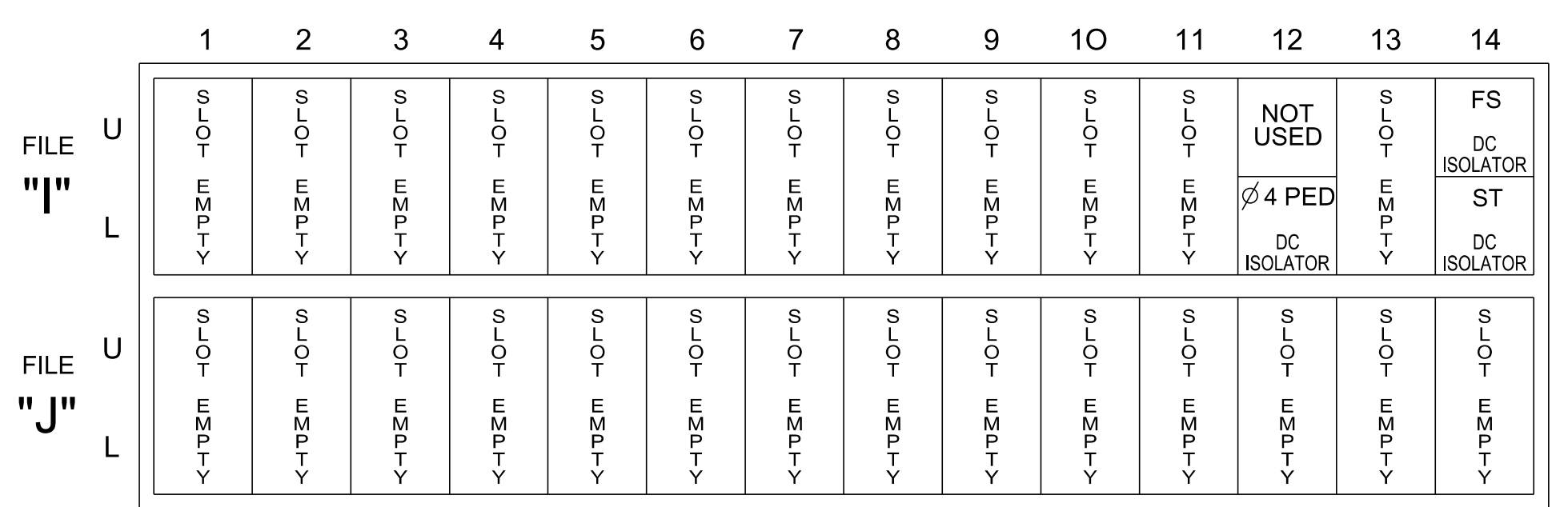
SIGNAL HEAD HOOK-UP CHART

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	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11	21, 22, 23	NU	31	32	41, 42, 43	P41, P42	51, 52	32	61, 62	NU	NU	NU	11	NU	NU	51, 52	NU
RED		128		116	116	101	101	*		134								
YELLOW	*	129		117	117	102	102			135								
GREEN		130		118	118	103	103			136								
RED ARROW														A121				A114
YELLOW ARROW										132				A122				A115
FLASHING YELLOW ARROW														A123				A116
GREEN ARROW	127			118		103				133	133							
Hand icon										104								
Person icon										106								

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)

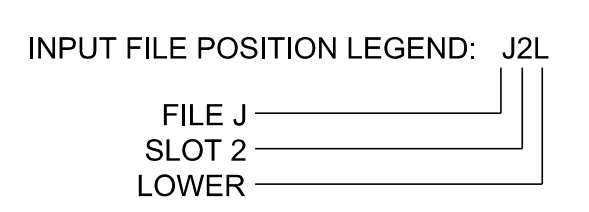


EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

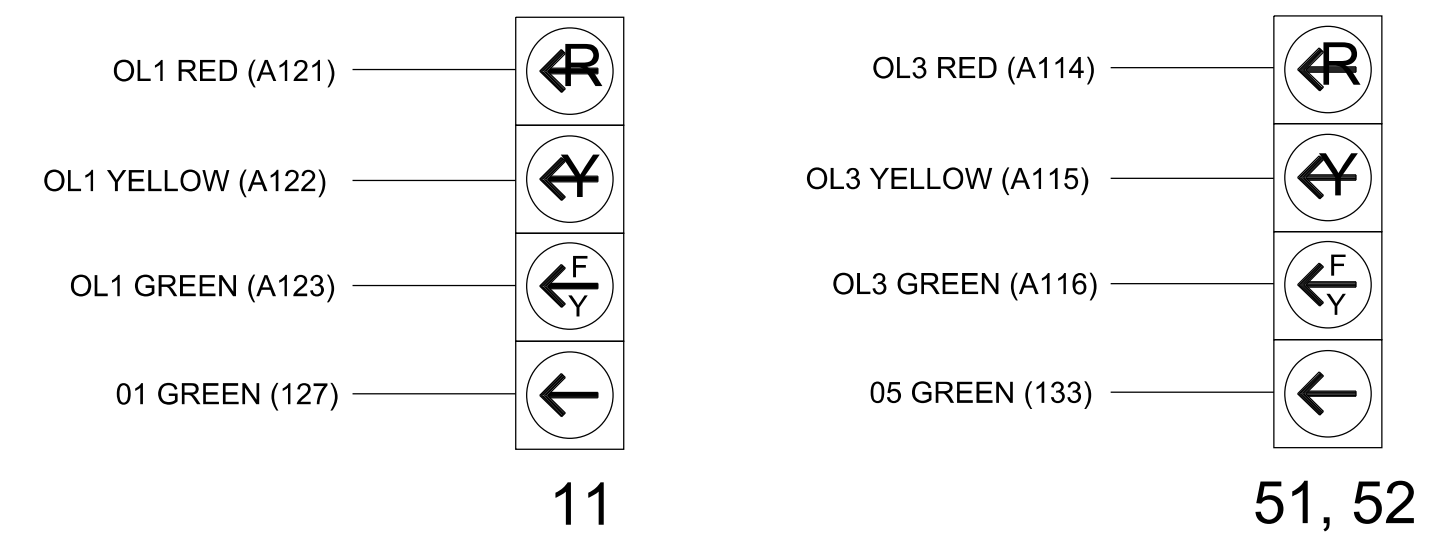
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
P41, P42	TB8-5,6	I12L	69	35	4	PED 4						

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT I12.



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



SPECIAL DETECTOR NOTE

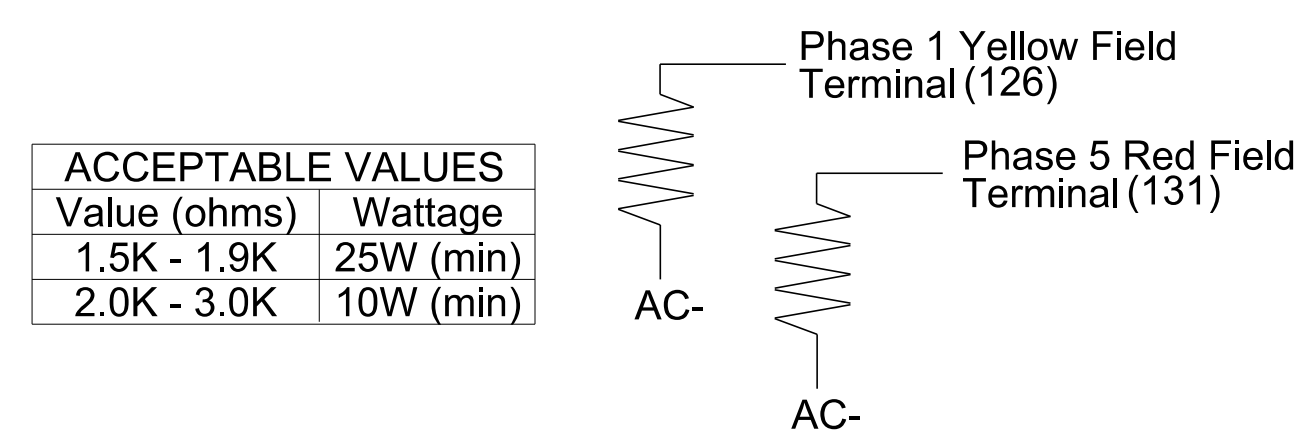
Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

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 resistors as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-0798T1
 DESIGNED: April 2023
 SEALED: April 28, 2023
 REVISED: _____

Temporary Signal 1 - TCP Phase II Step I
 Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For: **US 64-276 (Asheville Highway)**

Prepared for the Offices of: **SR 1512 (Ecusta Road) / Bank Driveway**

Division 14 Transylvania County Brevard

PLAN DATE: April 2023 REVIEWED BY: V. Kaiser

PREPARED BY: S.G. Haynie REVIEWED BY:

REVISIONS: _____

750 N. Greenfield Pkwy, Garner, NC 27529

SEAL: **STEVEN G. HAYNIE**, PROFESSIONAL ENGINEER, SEVEN 029531

DocuSigned by: **Steven G. Haynie** 4/28/2023

SIG. INVENTORY NO. 14-0798T1



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