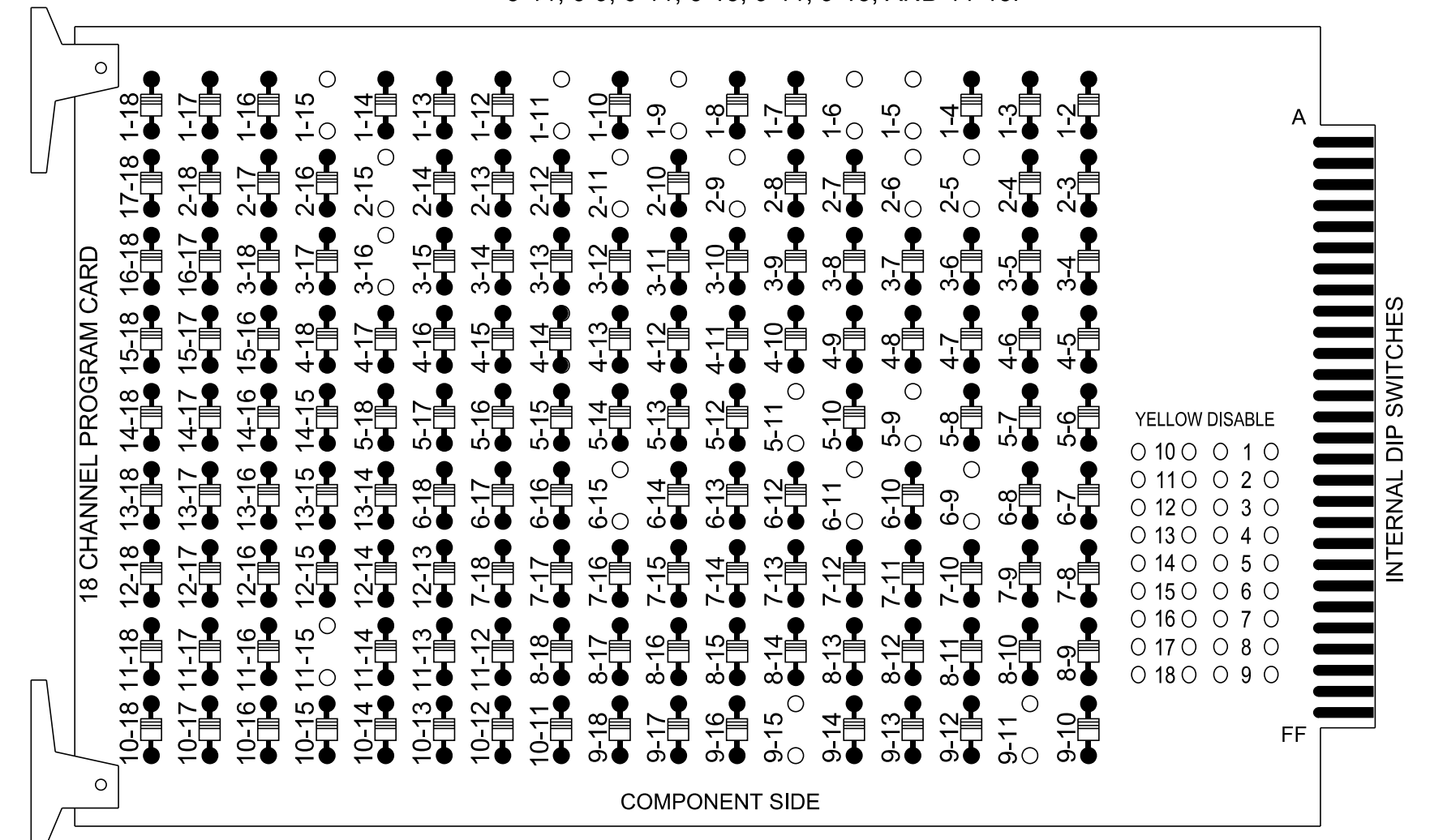


### 18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-15, 2-5, 2-6, 2-9, 2-11, 2-15, 3-16, 5-9, 5-11, 6-9, 6-11, 6-15, 9-11, 9-15, AND 11-15.



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 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, S7, S8, S9, S12, AUX S1, AUX S4  
 Phases Used.....1, 2, 3, 3PED, 4, 5, 6, 6PED  
 Overlap "1".....\*  
 Overlap "2".....NOT USED  
 Overlap "3".....\*  
 Overlap "4".....NOT USED

\*See overlap programming detail on sheet 2

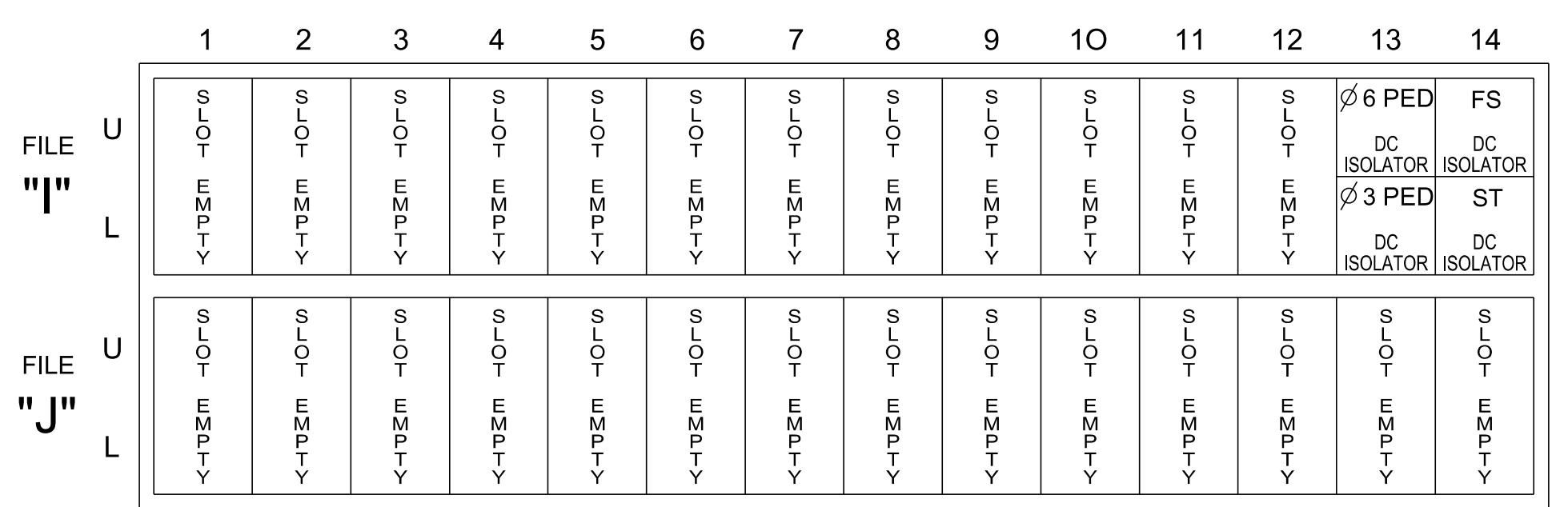
### SIGNAL HEAD HOOK-UP CHART

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	3 PED	OL1	OL2	SPARE	OL3	OL4	SPARE					
SIGNAL HEAD NO.	11	21, 22, 23	NU	31	32	41, 42, 43	51, 52	32	61, 62	P61, P62	NU	NU	P31, P32	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																					119	110	
Person icon																						121	112

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)



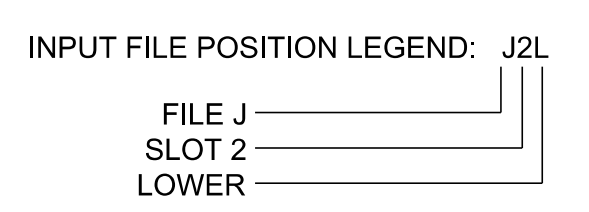
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

### INPUT FILE CONNECTION & PROGRAMMING CHART

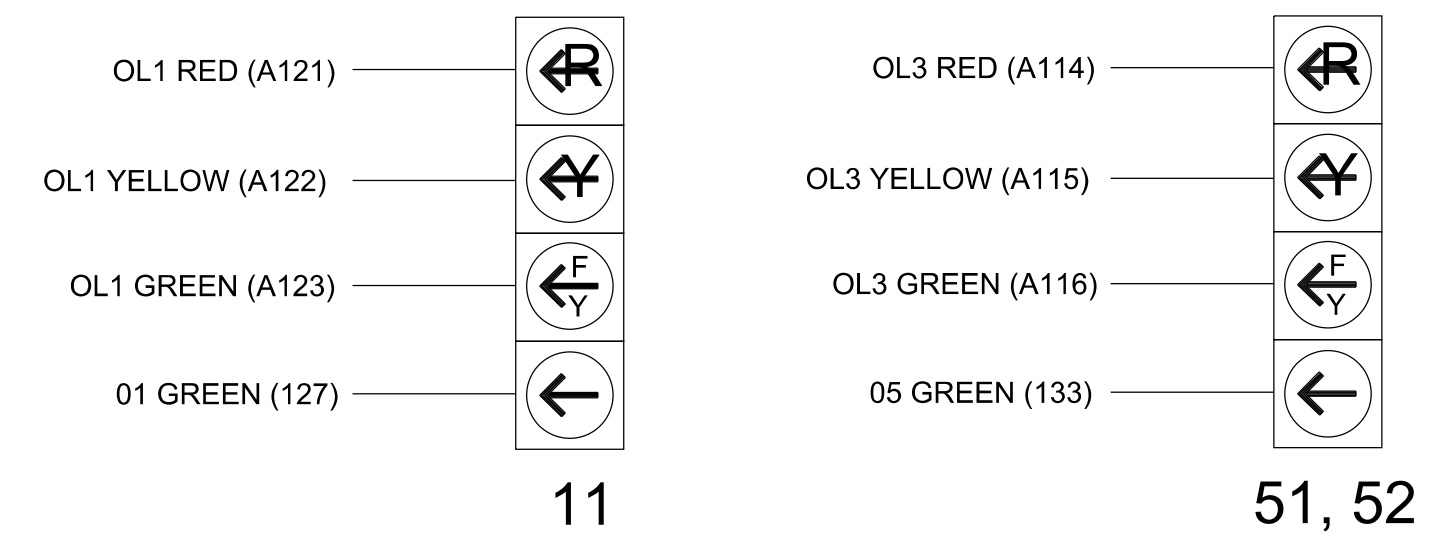
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
PED PUSH BUTTONS												
P31,P32	TB8-8,9	I13L	70	36	8	PED 3						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT I13.



### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



### SPECIAL DETECTOR NOTE

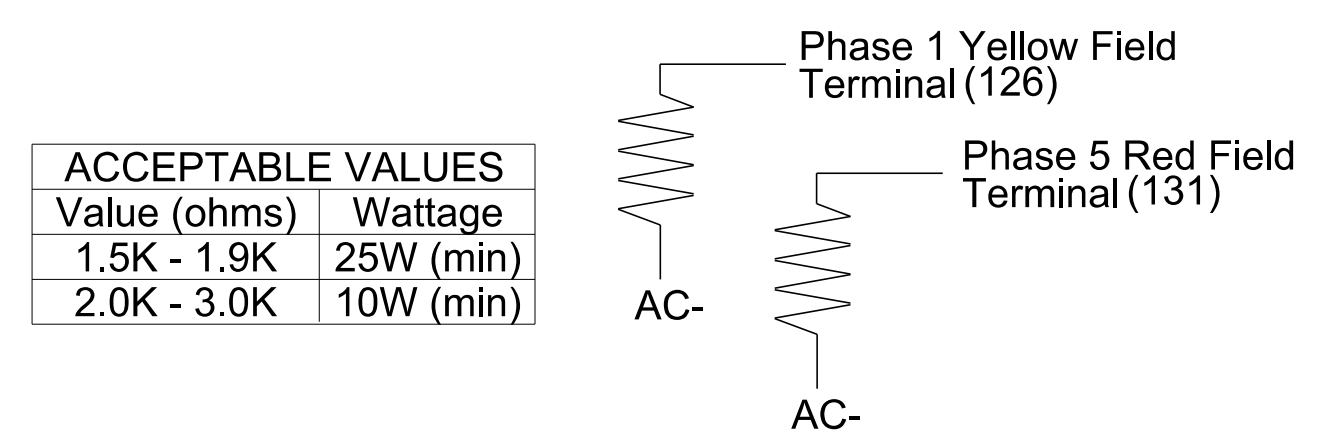
Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

### 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: 14-0798T2  
 DESIGNED: May 2023  
 SEALED: May 4, 2023  
 REVISED: \_\_\_\_\_

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

Electrical and Programming Details For:	US 64-276 (Asheville Highway)	SEAL
Prepared for the Offices of:	at	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
	SR 1512 (Ecusta Road) / Bank Driveway	
Division 14	Transylvania County	Brevard
PLAN DATE: May 2023	REVIEWED BY: V. Kaiser	
PREPARED BY: S.G. Haynie	REVIEWED BY:	
REVISIONS	INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		DocuSigned by: Steven G. Haynie 5/4/2023
		DESIGN/PROJECT NUMBER: DATE
		SIG. INVENTORY NO. 14-0798T2