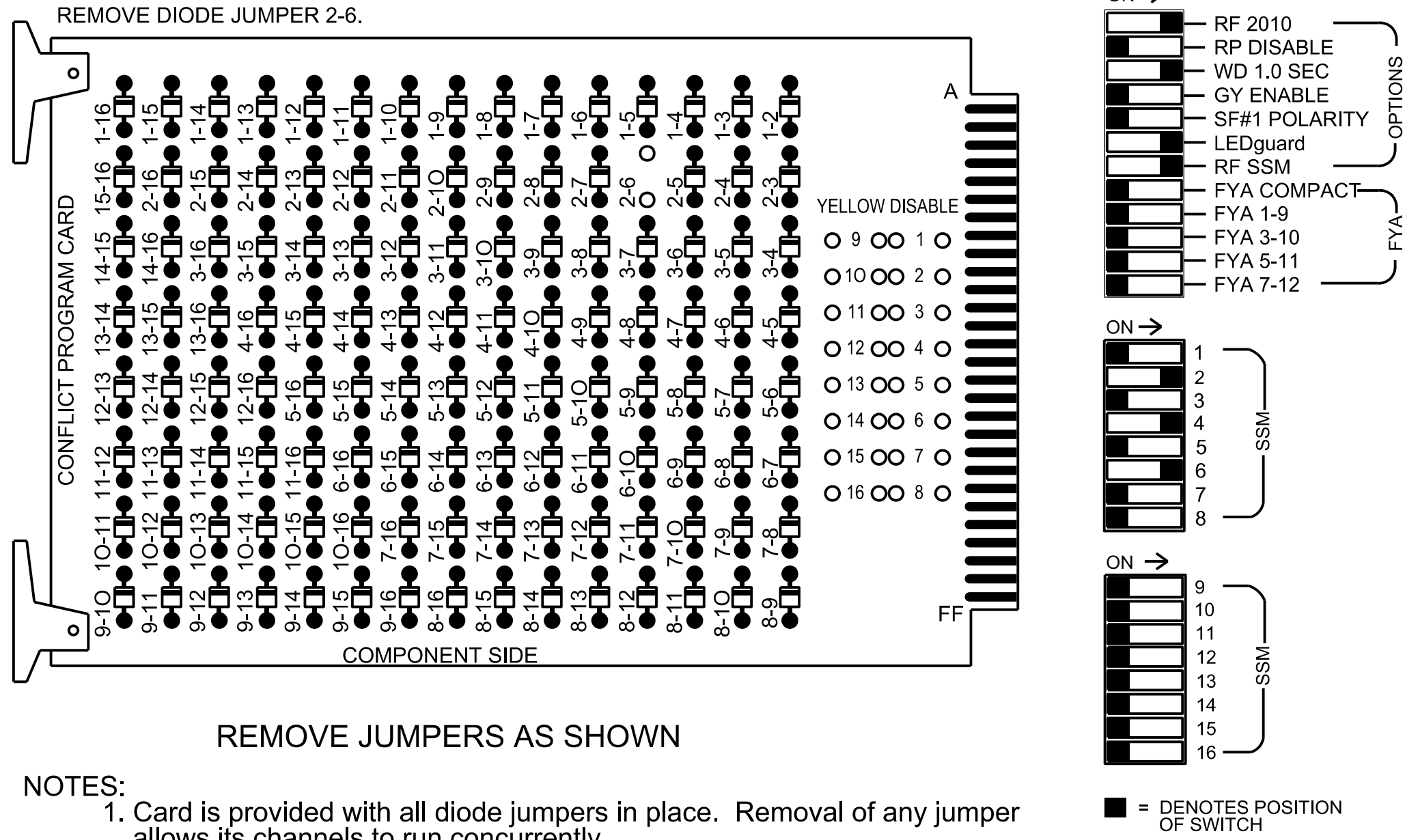


16 CHANNEL IP CONFLICT MONITOR
PROGRAMMING DETAIL

(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 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 phase 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 the D13-02 Asheville System.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....336
Software.....Q-Free MAXTIME
Cabinet Mount.....Pole
Output File Positions.....12
Load Switches Used.....S2, S5, S8
Phases Used.....2, 4, 6
Overlaps.....Not Used

PROJECT REFERENCE NO.	SHEET NO.
I-2513AC	Sig. 2.1

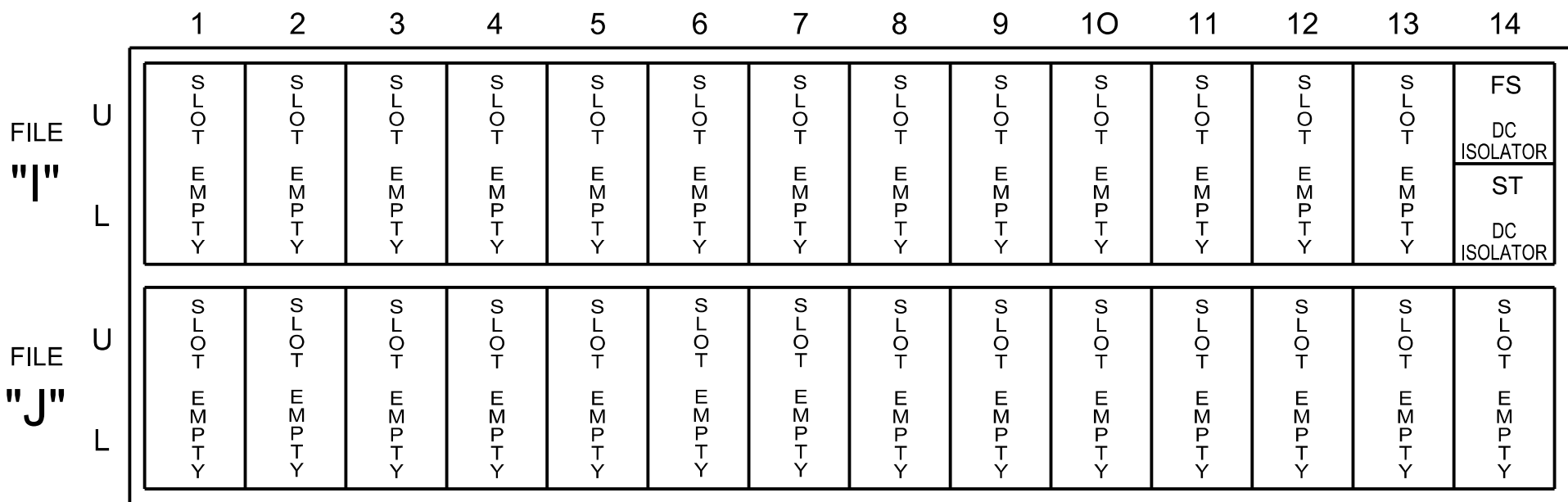
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21	22	NU	41,42	43	NU	61	62	NU	NU	NU
RED		128	128			101		134	134			
YELLOW		129	129					135	135			
GREEN			130					136				
RED ARROW					101							
YELLOW ARROW					102	102						
GREEN ARROW		130			103	103			136			

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)



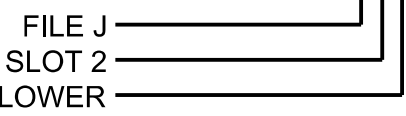
EX. : 1A, 2A, ETC. = LOOP NO.'S

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
2A	-	-	-	*	38	2			X		X	
2B	-	-	-	*	39	2			X		X	
4A	-	-	-	*	44	4			X		X	
4B	-	-	-	*	45	4	15.0		X		X	
6A	-	-	-	*	54	6			X		X	
6B	-	-	-	*	55	6			X		X	

INPUT FILE POSITION LEGEND: J2L



SDLC NON-INTRUSIVE

DETECTION CHART

Input Point	DETECTOR RACK #3		DETECTOR RACK #4	
	Det # (Index)	Detector Zone	Det # (Index)	Detector Zone
1	33	NU	49	NU
2	34	NU	50	NU
3	35	NU	51	NU
4	36	NU	52	NU
5	37	NU	53	NU
6	38	2A	54	6A
7	39	2B	55	6B
8	40	NU	56	NU
9	41	NU	57	NU
10	42	NU	58	NU
11	43	NU	59	NU
12	44	4A	60	NU
13	45	4B	61	NU
14	46	NU	62	NU
15	47	NU	63	NU
16	48	NU	64	NU

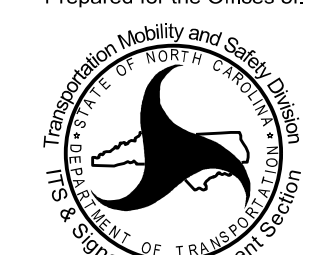
NU = Not Used

SPECIAL DETECTOR NOTE

Install a video 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: 13-1116T1
DESIGNED: May 2026
SEALED: 08/07/2026
REVISED: N/A

Temporary Design 1 (TMP Phase I Step 3)
Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For	NC 191 (Brevard Road) at I-26 WB / I-240 EB Off Ramp	SEAL
Prepared for the Offices of:	Division 13 Buncombe County Asheville	NORTH CAROLINA PROFESSIONAL SEAL 07438 ENGINEER JAMES O. DEATON
	PLAN DATE: May 2026 REVIEWED BY: J O Deaton	DocuSigned by: James O. Deaton 8/10/2026
	PREPARED BY: M W Yalch REVIEWED BY:	40EF9AC430B04E DATE
	REVISIONS	INIT. DATE
750 N. Greenfield Pkwy, Garner, NC 27529		SIG. INVENTORY NO. 13-1116T1

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