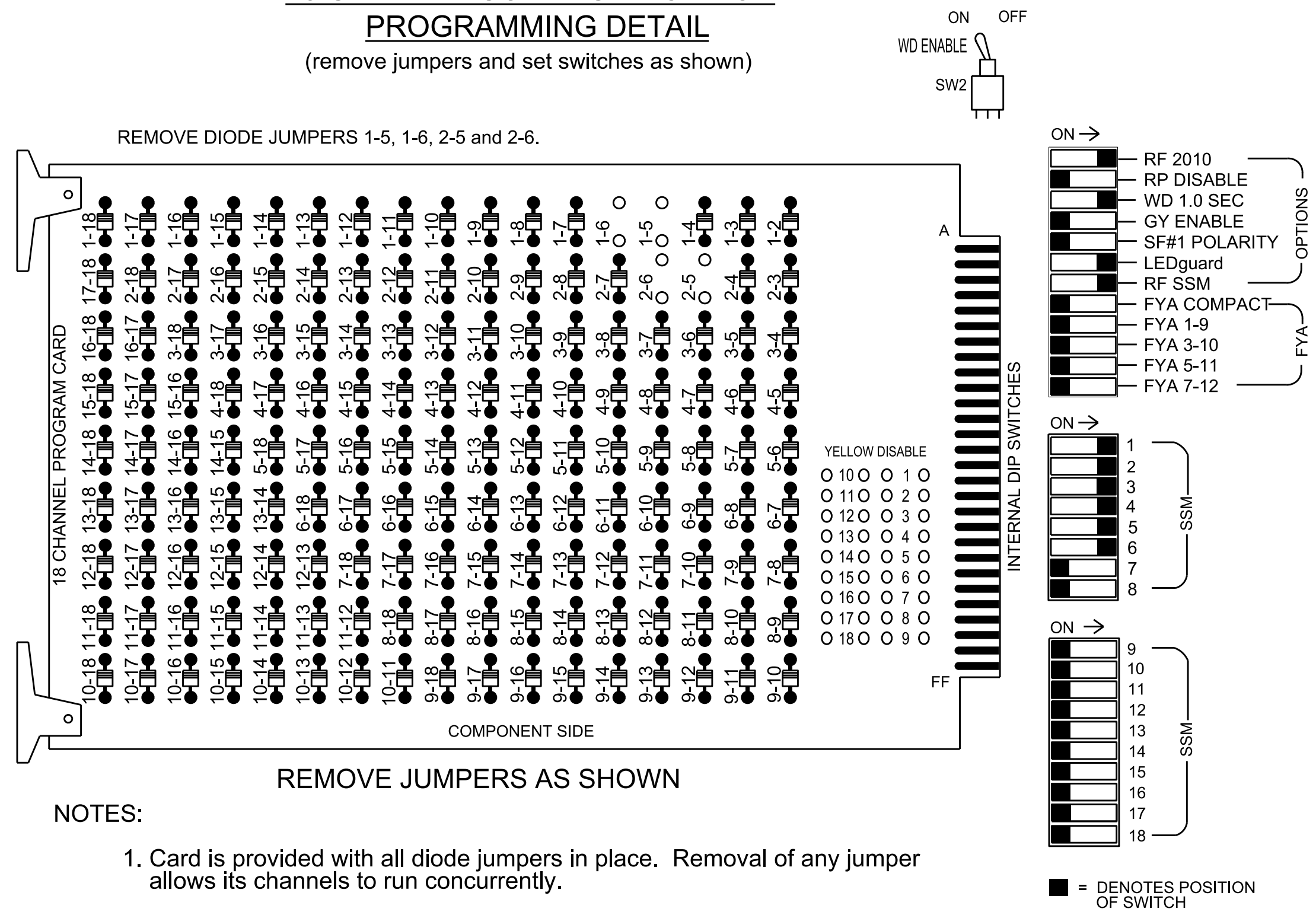


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

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 the US 601 (Yadkinville) TBC-System 1.

EQUIPMENT INFORMATION

Controller.....2070LX
 Cabinet.....336
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Pole
 Output File Positions.....12
 Load Switches Used.....S1, S2, S4, S5, S7, S8
 Phases Used.....1, 2, 3, 4, 5, 6
 Overlaps.....None

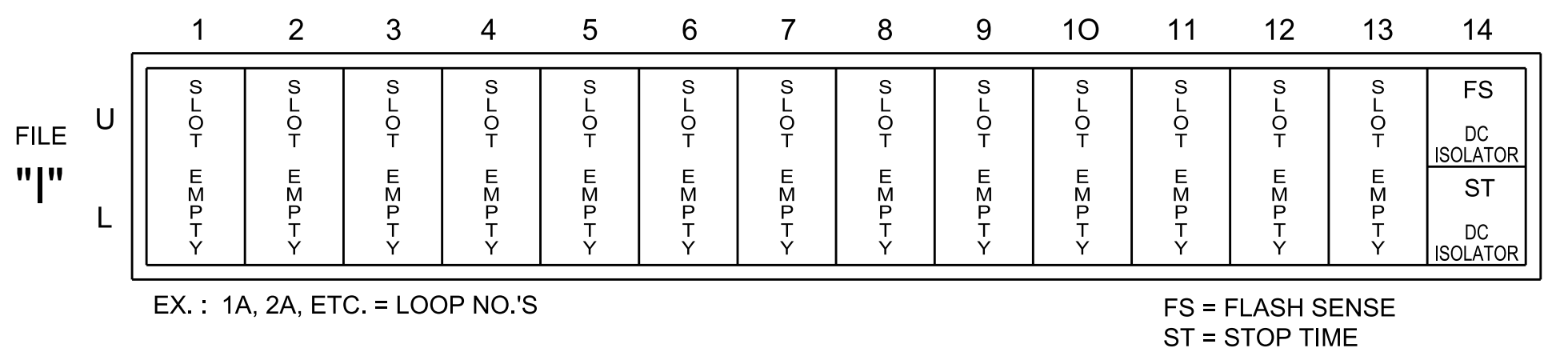
SIGNAL HEAD HOOK-UP CHART

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.	11	21,22	NU	31	32	41	42	NU	51	61,62	NU	NU
RED		128		116	116	101	101			134		
YELLOW		129		117	117	102	102			135		
GREEN		130		118	118	103	103			136		
RED ARROW	125								131			
YELLOW ARROW	126								132			
FLASHING YELLOW ARROW												
GREEN ARROW	127			118	103			133				

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)



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 Plan Supersedes Electrical Detail Sealed on 11/16/2023

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-0030T1
 DESIGNED: February 2024
 SEALED: 3/4/2024
 REVISED: N/A

Electrical Detail

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 601 (S. State Street)
 at
 US 421 Northbound Ramps/
 Pine Street

Division 11 Yadkin County Yadkinville

PLAN DATE: February 2024 REVIEWED BY:

PREPARED BY: Zarrar Zafar REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Seal No. 031001
 Todd Joyce
 ENGINEER

Designed by: *T. Todd Joyce* 03/06/2024
 DATE

SIG. INVENTORY NO. 11-0030T1

05-MAR-2024 09:43 S:\IT\GIS\UM\15\Sigonal\Workgroups\4519_MonZofar\Plans\01\11-0030T1_sam_e.e_2024mddi.dgn zzzofar