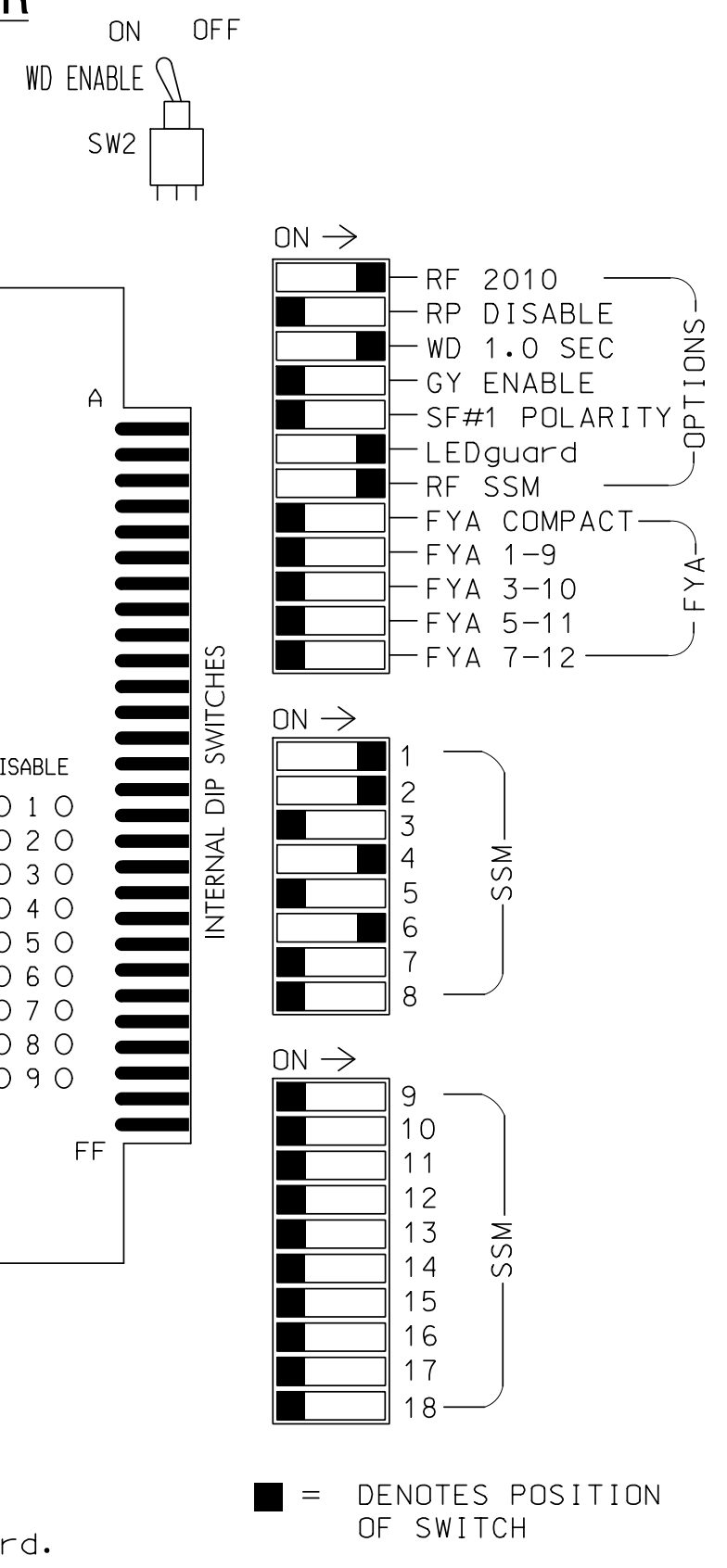
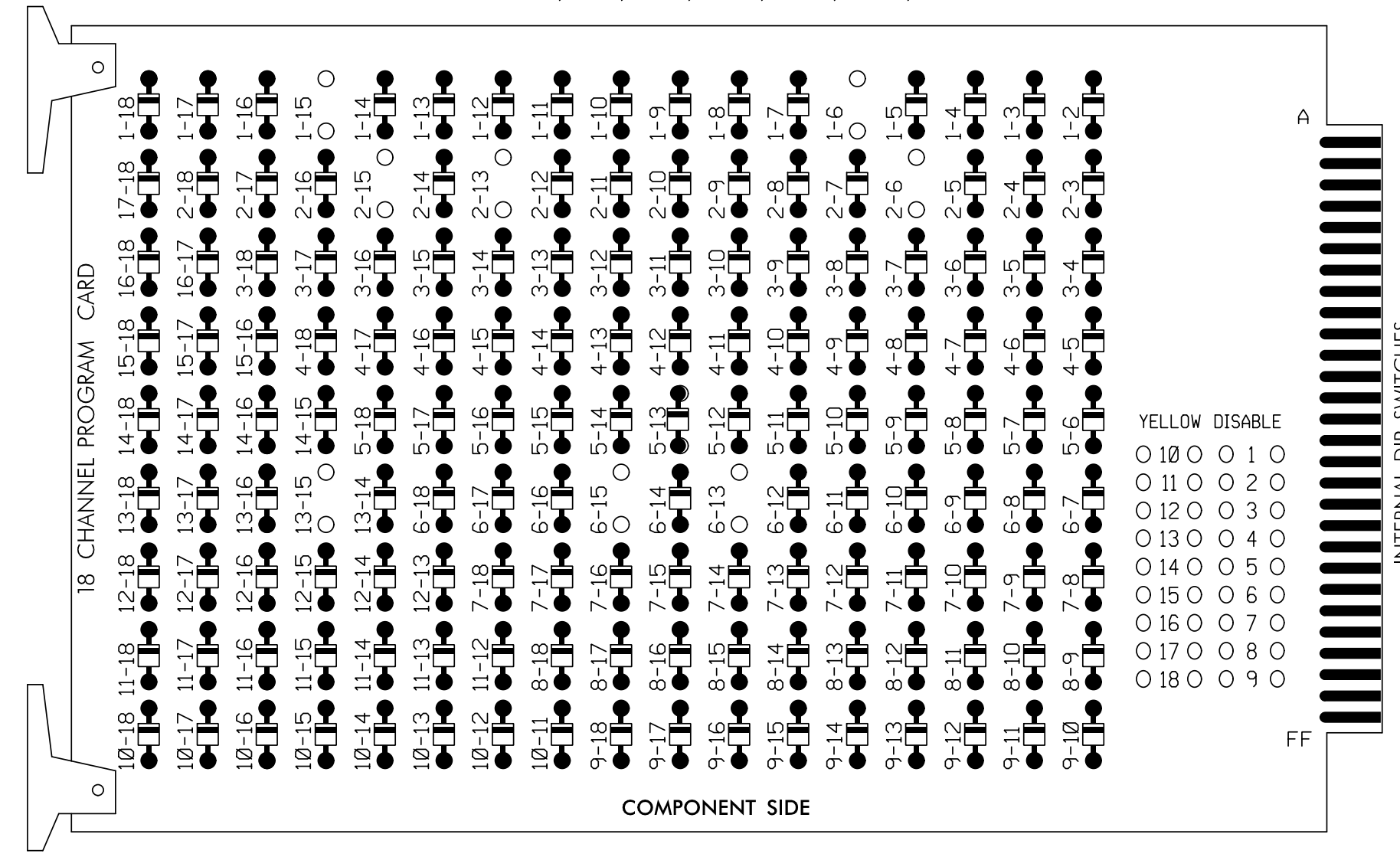


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-15, 2-6, 2-13, 2-15, 6-13, 6-15 AND 13-15.



**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 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 Plans.
- Program controller to start up in phase 2 Walk and phase 6 Walk.
- The cabinet and controller are part of the SR 1007 (Mebane Oaks Rd) Closed Loop System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S3,S5,S8,S9  
 PHASES USED.....1,2,2PED,4,6,6PED  
 OVERLAP 'A'.....NOT USED  
 OVERLAP 'B'.....NOT USED  
 OVERLAP 'C'.....NOT USED  
 OVERLAP 'D'.....NOT USED

### 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
DMU 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	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11,12	21,22	23,24	P21, P22	NU	41	42	43	NU	NU	61,62	P61, P62	NU	NU	NU	NU	NU	NU
RED	128	128			101	101			134									
YELLOW		129	129		102	102			135									
GREEN			130		103	103												
RED ARROW	125				101													
YELLOW ARROW	126				102													
GREEN ARROW	127	130			103	103			136									
Hand icon					113								119					
Walking person icon					115								121					

NU = Not Used

### 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.

### INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	∅ 2	∅ 4	∅ 4	SYS. DET. S9	SYS. DET. S10	SYS. DET. S9	SYS. DET. S10	∅ 2 PED DC ISOLATOR	∅ 6 PED DC ISOLATOR	FS DC ISOLATOR		
L	1A	2A	2C	4A	4C	NOT USED	NOT USED	NOT USED	SYS. DET. S20	NOT USED	NOT USED	ST DC ISOLATOR		
U	∅ 6	∅ 6	NOT USED	∅ 4	∅ 4	SYS. DET. S21	SYS. DET. S22	SYS. DET. S21	SYS. DET. S22			* GPS EVP		
L	6A	6B		4B	4B	NOT USED	SYS. DET. S23	NOT USED	SYS. DET. S23					

EX.: 1A, 2A, ETC. = LOOP NO.'S  
 See GPS Preemption Installation Note Below

FS = FLASH SENSE  
 ST = STOP TIME

### SPECIAL DETECTOR NOTE

Install a GPS preemption system. Perform installation according to manufacturer's directions and NCDOT engineer approved mounting location to accomplish the preemption schemes shown on the Signal Design Plans.

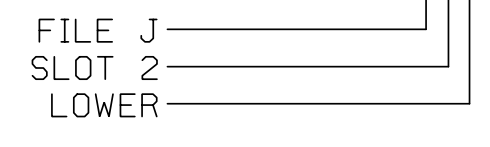
### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A	TB2-5,6	I2U	39	2	1	YES				S
1B	TB2-7,8	I2L	43	12	1	YES				S
2A	TB2-9,10	I3U	63	32	2	YES				S
2B	TB2-11,12	I3L	76	42	2	YES				S
2C	TB4-1,2	I4U	47	22	2	YES				S
4A	TB4-9,10	I6U	41	4	4	YES				S
4B	TB4-11,12	I6L	45	14	4	YES				S
4C	TB6-1,2	I7U	65	34	4	YES	15			S
6A	TB3-5,6	J2U	40	6	6	YES				S
6B	TB3-7,8	J2L	44	16	6	YES				S
* S9	TB6-5,6	I8U	49	24	SYS	NO				N
* S10	TB6-9,10	I9U	60	11	SYS	NO				N
* S20	TB6-11,12	I9L	62	13	SYS	NO				N
* S21	TB7-5,6	J8U	50	28	SYS	NO				N
* S22	TB7-9,10	J9U	59	15	SYS	NO				N
* S23	TB7-11,12	J9L	61	17	SYS	NO				N
PED PUSH BUTTONS										
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED					
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED					

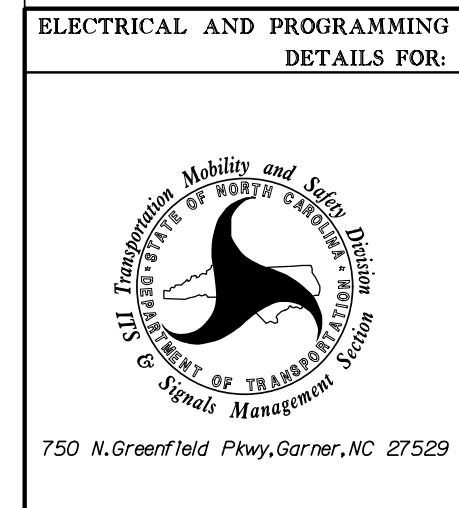
NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

\* System detector only. Remove any assigned vehicle phase.

### INPUT FILE POSITION LEGEND: J2L



Final Design  
 Electrical Detail - Sheet 1 of 2



SR 1007 (Mebane Oaks Road) at I-40 EB / I-85 NB Ramps

Division 7	Alamance County	Mebane
PLAN DATE: November 2019	REVIEWED BY: Z. "Gavin" Teng	
PREPARED BY: Z. "Gavin" Teng	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by: Zhaolong Teng	12/17/2019
SIG. INVENTORY NO.	07-2025

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