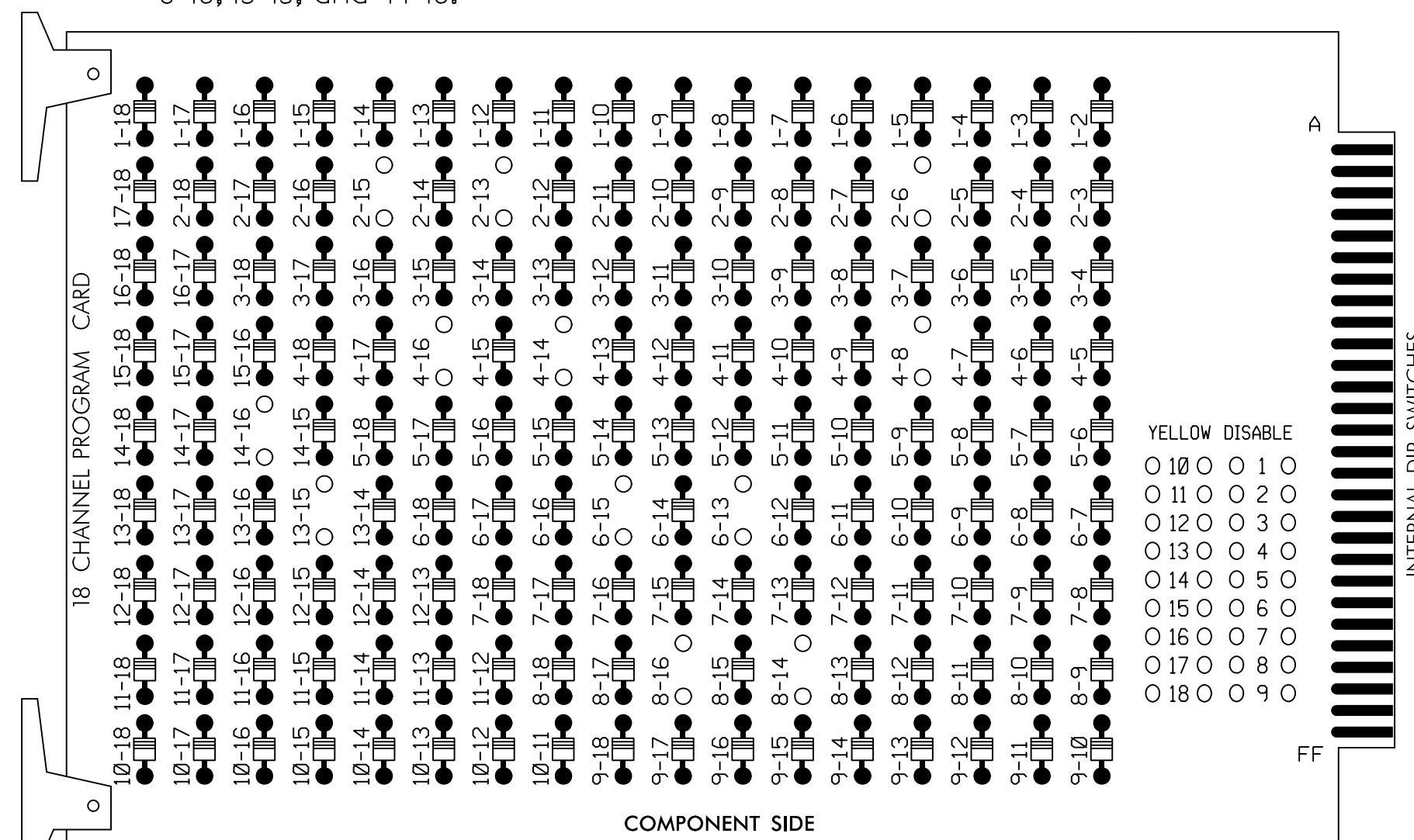


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-13, 2-15, 4-8, 4-14, 4-16, 6-13, 6-15, 8-14, 8-16, 13-15, and 14-16.



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 Red Enable is active at all times during normal operation.

■ = DENOTES POSITION OF SWITCH

### 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 phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Gilead Road Closed Loop System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....332 /W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S3,S5,S6,S8,S9,S11,S12  
 PHASES USED.....2,2 PED,4,4 PED,6,6 PED,  
 8,8 PED  
 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
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	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22, 25	23,24, 26,27	P21, P22	NU	41,42, 45	43,44, 46,47	P41,P42 P43,P44	NU	61,62, 63	P61,P62 P63,P64	NU	81,82, 83	P81, P82	NU	NU	NU	NU
RED		128	128		101	101			134			107						
YELLOW		129			102				135			108						
GREEN		130			103				136			109						
RED ARROW																		
YELLOW ARROW			129			102												
GREEN ARROW			130			103												
Hand					113			104			119			110				
Walker					115			106			121			112				

NU = Not Used

### INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 2	∅ 2	∅ 2	∅ 4	∅ 4	∅ 4	∅ 4	SYS. DET. S5	∅ 2 PED	∅ 6 PED	FS	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
L	2A	2C	2C	4A	4B	4D	4F	SYS. DET. S6	∅ 4 PED	∅ 8 PED	ST	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
U	∅ 6	∅ 6	∅ 6	∅ 8	∅ 8	∅ 8	SYS. DET. S12	SYS. DET. S13	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8
L	6A	6A	6B	8A	8C	8D	NOT USED	SYS. DET. S14	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8	∅ 8

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

FS = FLASH SENSE  
 ST = STOP TIME

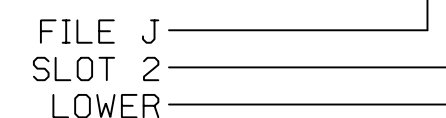
### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y	-	-	-
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	-	-	-
2C	TB2-9,10	I3U	63	25	32	2	Y	Y	-	-	-
2D	TB2-11,12	I3L	76	38	42	2	Y	Y	-	-	-
4A	TB4-5,6	I5U	58	20	3	4	-	Y	-	-	-
4B	TB4-9,10	I6U	41	3	4	4	-	Y	-	-	-
4C	TB4-11,12	I6L	45	7	14	4	Y	Y	Y	2.0	5
4D	TB6-1,2	I7U	65	27	34	4	Y	Y	Y	2.0	5
4E	TB6-3,4	I7L	78	40	44	4	Y	Y	-	-	10
4F	TB6-5,6	I8U	49	11	24	4	Y	Y	-	-	15
* S5	TB6-9,10	I9U	60	22	11	SYS	-	-	-	-	-
* S6	TB6-11,12	I9L	62	24	13	SYS	-	-	-	-	-
6A	TB3-5,6	J2U	40	2	6	6	Y	Y	-	-	-
6B	TB3-7,8	J2L	44	6	16	6	Y	Y	-	-	-
8A	TB5-9,10	J6U	42	4	8	8	-	Y	-	-	-
8B	TB5-11,12	J6L	46	8	18	8	-	Y	-	-	-
8C	TB7-1,2	J7U	66	28	38	8	Y	Y	Y	2.0	5
8D	TB7-3,4	J7L	79	41	48	8	Y	Y	Y	2.0	5
* S12	TB7-5,6	J8U	50	12	28	SYS	-	-	-	-	-
* S13	TB7-9,10	J9U	59	21	15	SYS	-	-	-	-	-
* S14	TB7-11,12	J9L	61	23	17	SYS	-	-	-	-	-
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41-P44	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61-P64	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

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

\* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L



### 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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-0617  
 DESIGNED: NOV 2017  
 SEALED: 4/18/2018  
 REVISED: N/A



ELECTRICAL DETAIL SHEET

Prepared for:

SR 2136 (Gilead Road) at US 21 (Statesville Road)

Division 10 Wecklenburg Huntersville

PLAN DATE: November 2017 REVIEWED BY: R. Dubnicka

PREPARED BY: J. Trueblood REVIEWED BY: J. Carroll

REVISIONS: \_\_\_\_\_ INIT. DATE

DocuSigned by: 4/18/2018

SIGNATURE DATE

SIG. INVENTORY NO. 10-0617

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030005 JUSTIN T. CARROLL