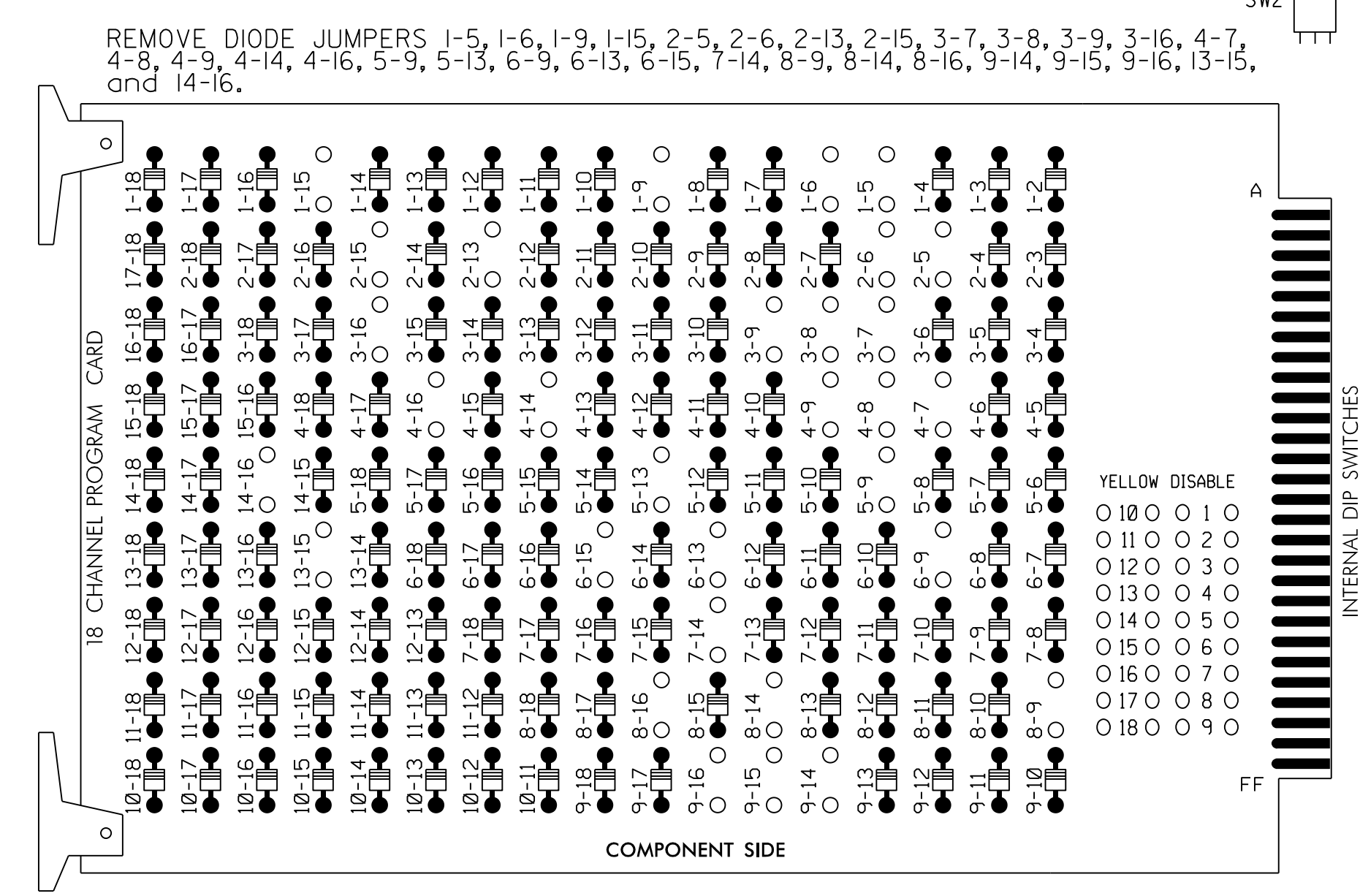


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 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 Fayetteville Signal 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,S4,S5,S6,S7,S8,  
 S9,S10,S11,S12,AUX S1  
 PHASES USED.....1,2,2PED,3,4,4PED,5,6,  
 6PED,7,8,8PED  
 OVERLAP A.....\*  
 OVERLAP B.....NOT USED  
 OVERLAP C.....NOT USED  
 OVERLAP D.....NOT USED  
 OVERLAP G.....\*

\* 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	8 PED	OLA	OLB	OLE	OLC	OLD	OLF				
SIGNAL HEAD NO.	11,12	83,84	21,22, 23,24	P21, P22	31,32	23	41,42, 43	P41, P42	51,52	42	61,62, 63,64	P61, P62	71,72	63	81,82, 83,84	P81, P82	83,84	NU	NU	NU	NU	NU
RED			128			101					134				107		A121					
YELLOW			129			102					135				108							
GREEN			130			103					136				109							
RED ARROW	125				116					131					122							
YELLOW ARROW	126				117	117				132	132				123	123					A122	
FLASHING YELLOW ARROW																					A123	
GREEN ARROW	127	127			118	118				133	133				124	124						
Hand icon					113					104					119						110	
Walking person icon					115					106					121						112	

NU = Not Used

\* See pictorial of head wiring in detail this sheet.

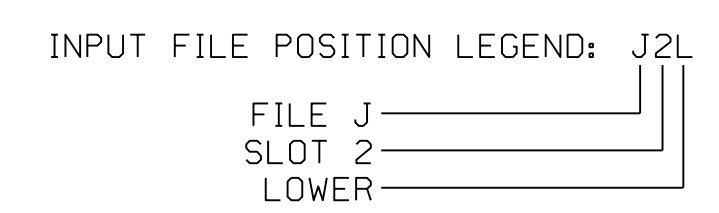
### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

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 CONNECTION & PROGRAMMING CHART

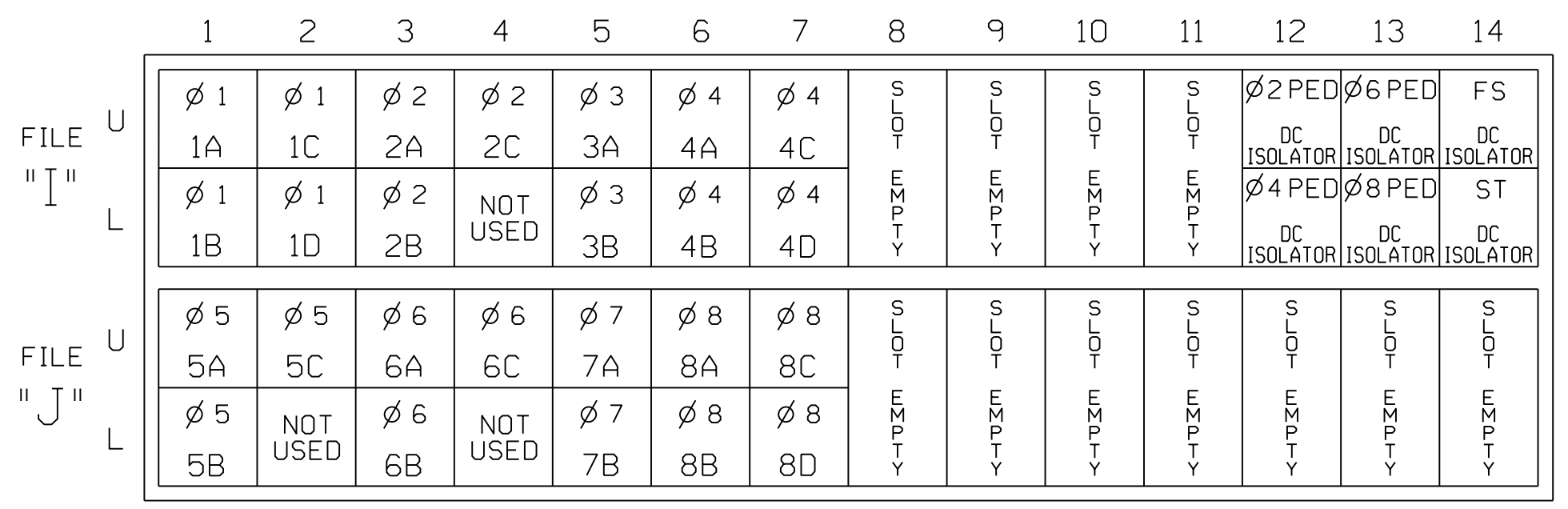
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES				S
1B	TB2-3,4	I1L	56	1	1	YES				S
1C	TB2-5,6	I2U	39	2	1	YES		15		S
1D	TB2-7,8	I2L	43	12	1	YES		15		S
2A	TB2-9,10	I3U	63	32	2	YES			X	N
2B	TB2-11,12	I3L	76	42	2	YES			X	N
2C	TB4-1,2	I4U	47	22	2	YES			X	N
3A	TB4-5,6	I5U	58	3	3	YES				S
3B	TB4-7,8	I5L	58	3	3	YES				S
4A	TB4-9,10	I6U	41	4	4	NO				N
4B	TB4-11,12	I6L	45	14	4	NO				N
4C	TB6-1,2	I7U	65	34	4	YES	2.0	5		G
4D	TB6-3,4	I7L	78	44	4	YES	2.0	5		G
5A	TB3-1,2	J1U	55	5	5	YES				S
5B	TB3-3,4	J1L	55	5	5	YES				S
5C	TB3-5,6	J2U	40	6	5	YES		15		S
6A	TB3-9,10	J3U	64	36	6	YES			X	N
6B	TB3-11,12	J3L	77	46	6	YES			X	N
6C	TB5-1,2	J4U	48	26	6	YES			X	N
7A	TB5-5,6	J5U	57	7	7	YES				S
7B	TB5-7,8	J5L	57	7	7	YES				S
8A	TB5-9,10	J6U	42	8	8	NO				N
8B	TB5-11,12	J6L	46	18	8	NO				N
8C	TB7-1,2	J7U	66	38	8	YES	2.0	5		G
8D	TB7-3,4	J7L	79	48	8	YES	2.0	5		G

NOTE:  
 INSTALL DC ISOLATORS  
 IN INPUT FILE SLOTS  
 I12 AND I13.



### INPUT FILE POSITION LAYOUT

(front view)

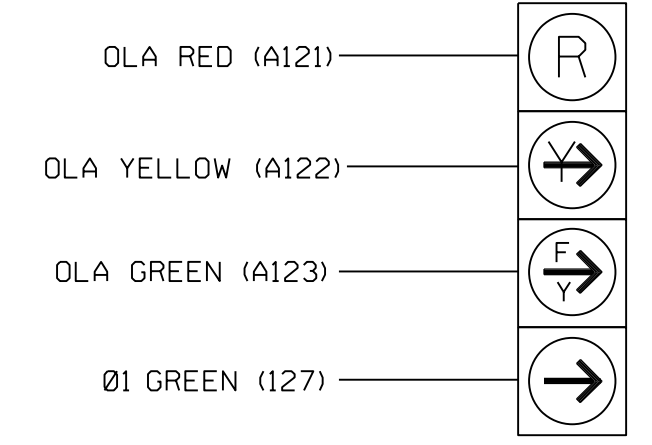


EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



83,84

THIS ELECTRICAL DETAIL IS FOR  
 THE SIGNAL DESIGN: 06-0274  
 DESIGNED: July 2021  
 SEALED: 7/9/2021  
 REVISED: N/A

THIS PLAN SUPERSEDES  
 THE PLAN SIGNED AND  
 SEALED ON 06/05/2019

Final Design  
 Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 401 (Raeford Road) at NC 162 (Bunce Road)/ SR 1411 (Bunce Road)	
Prepared in the Offices of:	Division 6	Cumberland County	Fayetteville
PLAN DATE: July 2021	REVIEWED BY: L Overn		
PREPARED BY: G B Spell	REVIEWED BY:		
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REGINA M. MINCEY  
 ENGINEER  
 STATE OF NORTH CAROLINA  
 License No. 43239