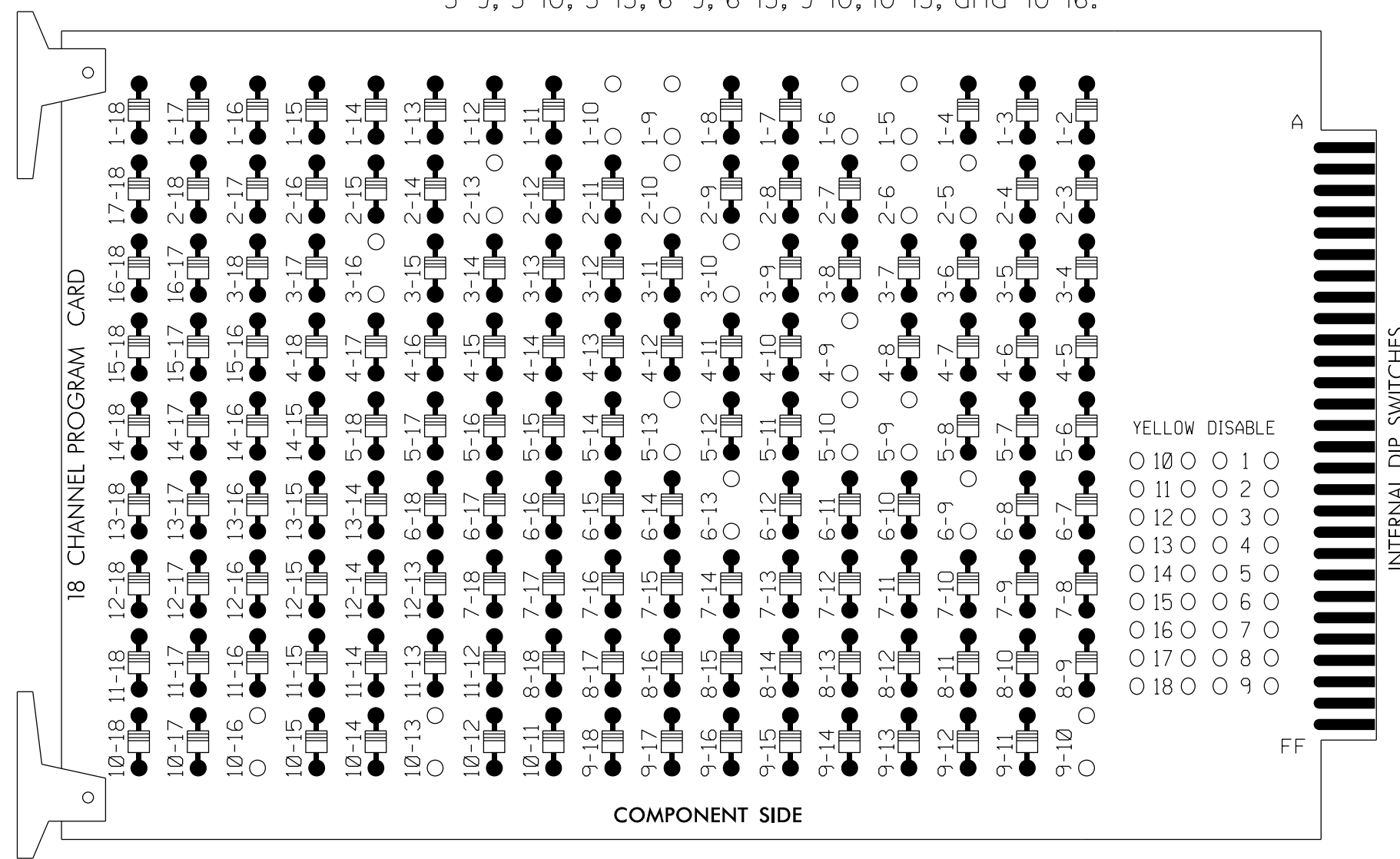


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-10, 2-5, 2-6, 2-10, 2-13, 3-10, 3-16, 4-9, 5-9, 5-10, 5-13, 6-9, 6-13, 9-10, 10-13, and 10-16.



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.
- Integrate monitor with Ethernet network in cabinet.

■ = 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 controller to start up in phase 2 Walk and 6 Green.
- 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,S7,S8,S12
 AUX S1,AUX S2
 PHASES USED.....1,2,2PED,3,3PED,4,5,6
 OVERLAP A.....1+4
 OVERLAP B.....3+5
 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	3 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11,12	21,22,23	P21,P22,P23,P24,P25,P26	31	32,33	41	42	NU	51	61,62,63	NU	NU	P31,P32,P33,P34	43,44	34	NU	NU	NU
RED		128		116	101	101				134				A121	A124			
YELLOW		129		117	102	102				135								
GREEN		130		118	103	103				136								
RED ARROW	125			116						131								
YELLOW ARROW	126			117						132				A122	A125			
GREEN ARROW	127			118		103				133				A123	A126			
Hand																		
Walking																		

NU = Not Used

NOTE: For signal head 34 to flash concurrently with 31, 32 and 33, locate the wire that connects terminal 01-5 on the rear of the output file to terminal TA-1 on the rear of the auxiliary output file. Remove this wire from terminal 01-5 and terminate it on terminal 01-7.

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

OVERLAP A

Select TMG VEH OVLP [A] and 'NORMAL'

TMG VEH OVLP...[A] TYPE:[NORMAL]
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
 INCLUDED X . . X
 LAG GRN 0.0 YEL 0.0 RED 0.0

Toggle Once

OVERLAP B

Select TMG VEH OVLP [B] and 'NORMAL'

TMG VEH OVLP...[B] TYPE:[NORMAL]
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
 INCLUDED . . X . X
 LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	∅ 2	∅ 3	∅ 3	∅ 4	∅ 4	SYS. DET. S2A	∅ 3PED	DC ISOLATOR	NOT USED	FS	DC ISOLATOR	
L	1A	2A	2C	3B	3C	4B	4D							
U	∅ 5	∅ 6	∅ 6	∅ 4	∅ 4	NOT USED	SYS. DET. S2C	∅ 3PED	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
L	5A	6A	6C	4A	4C	NOT USED								
U	NOT USED	∅ 6	NOT USED				NOT USED							
L		6B												

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

FS = FLASH SENSE
 ST = STOP TIME

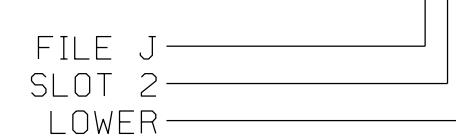
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	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
2A	TB2-5,6	I2U	39	2	2	YES			X	N
2B	TB2-7,8	I2L	43	12	2	YES			X	N
2C	TB2-9,10	I3U	63	32	2	YES			X	N
3A	TB2-11,12	I3L	76	42	3	YES		3		S
3B	TB4-5,6	I5U	58	3	3	YES				S
3C	TB4-9,10	I6U	41	4	3	YES		15		S
4A	TB4-11,12	I6L	45	14	4	YES				S
4B	TB6-1,2	I7U	65	34	4	YES				S
4C	TB6-3,4	I7L	78	44	4	YES				S
4D	TB6-5,6	I8U	49	24	4	YES				S
5A	TB3-1,2	J1U	55	5	5	YES				S
6A	TB3-5,6	J2U	40	6	6	YES			X	N
6B	TB3-7,8	J2L	44	16	6	YES			X	N
6C	TB3-9,10	J3U	64	36	6	YES			X	N
*S2A	TB6-9,10	I9U	60	11	SYS	NO				N
*S2B	TB6-11,12	I9L	62	13	SYS	NO				N
*S2C	TB7-9,10	J9U	59	15	SYS	NO				N
PED PUSH BUTTONS										
P21,P22,P23,P24,P25,P26	TB8-4,6	I12U	67	PED 2	2 PED					
P31,P32,P33,P34	TB8-8,9	I13L	70	PED 8	3 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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0236
 DESIGNED: December 2022
 SEALED: 1/6/2023
 REVISED: N/A

Electrical Detail-Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 24-87 (Bragg Blvd) at Sycamore Dairy Rd/Carol St

Division 6 Cumberland County Fayetteville
 PLAN DATE: December 2022 REVIEWED BY: M. L. Stygles
 PREPARED BY: J. Ma REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 033108
 J. Ma
 1/6/2023
 SIG. INVENTORY NO. 06-0236

