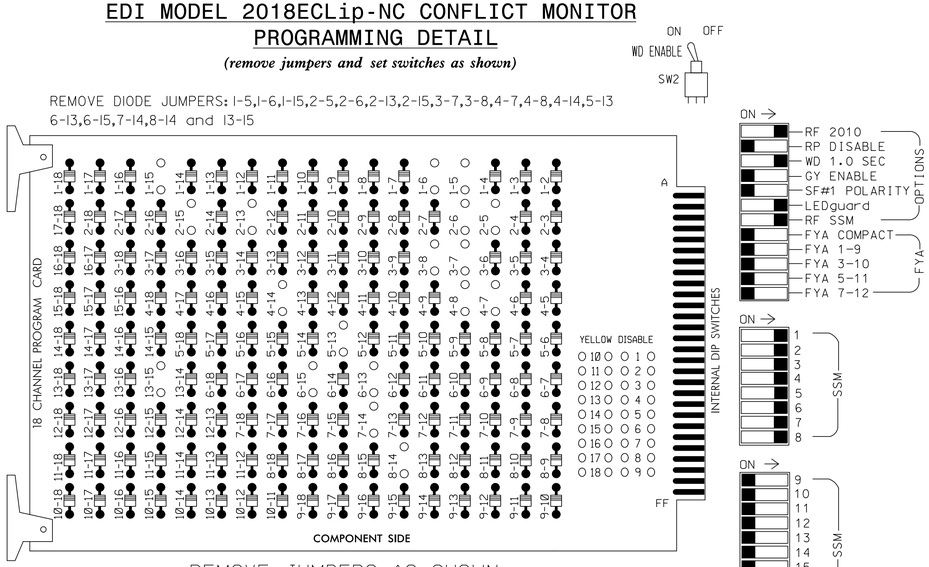
PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig. 69.1

EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS: I-5,I-6,I-I5,2-5,2-6,2-I3,2-I5,3-7,3-8,4-7,4-8,4-I4,5-I3 6-I3,6-I5,7-I4,8-I4 and I3-I5



REMOVE JUMPERS AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.

■ = DENOTES POSITION OF SWITCH

NOTES

1. 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.
2. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2,4,6 and 8 for volume density operation.
4. Program controller to start up in phase 2 Walk and 6 Walk.
5. The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....332
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S10,S11
PHASES USED.....1,2,2PED,3,4,4PED,5,6,6PED,7,8
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	82	21,22 23	P21, P22	23	31,32	41,42	P41, P42	51,52	61,62 63	P61, P62	63	71,72, 73	81,82	NU
RED			128				101			134				107	
YELLOW			129				102			135				108	
GREEN			130				103			136				109	
RED ARROW	125					116			131				122		
YELLOW ARROW	126	126			117	117			132			123	123		
GREEN ARROW	127	127			118	118			133			124	124		
✋				113				104			119				
🚶				115				106			121				

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	Ø 1	Ø 1	Ø2/SYS	Ø2/SYS	Ø 3	Ø 3	Ø4/SYS	Ø 4	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø2 PED DC ISOLATOR	Ø6 PED DC ISOLATOR	FS DC ISOLATOR
		1A	1B	2A/S2A	2C/S2C	3A	3B	4A/S4A	4C						
	L	NOT USED	NOT USED	Ø2/SYS 2B/S2B	NOT USED	NOT USED	NOT USED	Ø 4 4B	NOT USED				Ø4 PED DC ISOLATOR	NOT USED	ST DC ISOLATOR
FILE "J"	U	Ø 5	Ø 5	Ø6/SYS	Ø6/SYS	Ø 7	Ø 7	Ø8/SYS	SLOT EMPTY	Ø 8	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
		5A	5B	6A/S6A	6C/S6C	7A	7B	8A/S8A		8C					
	L	NOT USED	NOT USED	Ø6/SYS 6B/S6B	NOT USED	NOT USED	Ø 7 7C	Ø8/SYS 8B/S8B		Ø 8 8D					

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	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-5,6	I2U	39	2	1	YES		15	S
2A/S2A	TB2-9,10	I3U	63	32	2	YES			N
2B/S2B	TB2-11,12	I3L	76	42	2	YES			N
2C/S2C	TB4-1,2	I4U	47	22	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES		3	S
3B	TB4-9,10	I6U	41	4	3	YES		3	S
4A/S4A	TB6-1,2	I7U	65	34	4	NO			N
4B	TB6-3,4	I7L	78	44	4	YES	2	5	G
4C	TB6-5,6	I8U	49	24	4	YES		15	S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES			S
6A/S6A	TB3-9,10	J3U	64	36	6	YES			N
6B/S6B	TB3-11,12	J3L	77	46	6	YES			N
6C/S6C	TB5-1,2	J4U	48	26	6	YES			N
7A	TB5-5,6	J5U	57	7	7	YES		3	S
7B	TB5-9,10	J6U	42	8	7	YES		3	S
7C	TB5-11,12	J6L	46	18	7	YES			S
8A/S8A	TB7-1,2	J7U	66	38	8	NO			N
8B/S8B	TB7-3,4	J7L	79	48	8	NO			N
8C	TB7-9,10	J9U	59	15	8	NO	2	5	G
8D	TB7-11,12	J9L	61	17	8	NO	2	5	G
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED				
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				

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

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

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: 06-0279
DESIGNED: November 2015
SEALED: 5/11/2016
REVISED:

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For: North Carolina Department of Transportation, Mobility and Safety Division, Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

NC 24 (Bragg Boulevard) at SR 1437 (Santa Fe Drive / Shaw Road)

Division 6 | Cumberland County | Fayetteville

PLAN DATE:	June 2016	REVIEWED BY:	KP Baumann
PREPARED BY:	SP Pennington	REVIEWED BY:	SL Phillips

REVISIONS	INIT.	DATE

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SEAL
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DocuSigned by: SLP
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7/14/2016
DATE

SIG. INVENTORY NO. 06-0279

7/13/2016
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susan.pennington