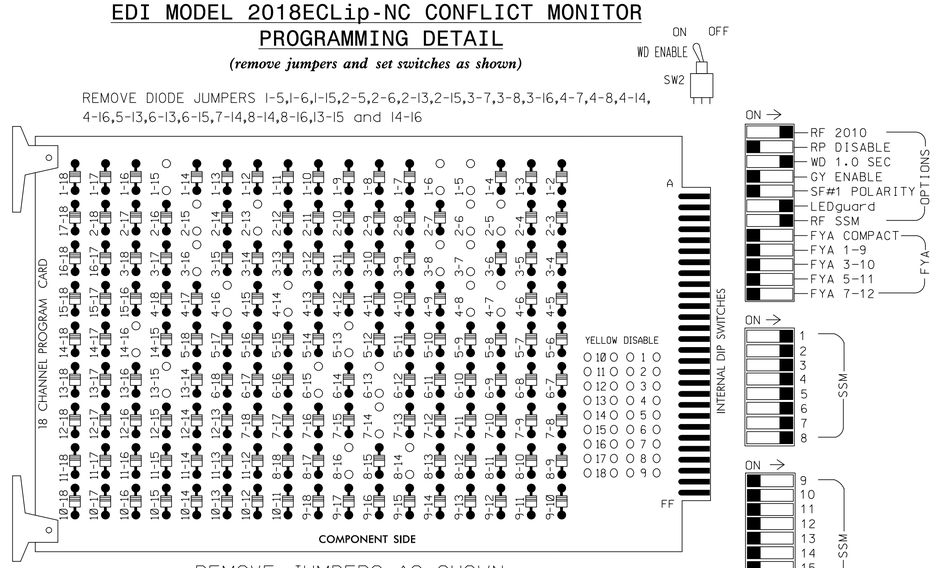
PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig. 71.1

EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5,1-6,1-15,2-5,2-6,2-13,2-15,3-7,3-8,3-16,4-7,4-8,4-14, 4-16,5-13,6-13,6-15,7-14,8-14,8-16,13-15 and 14-16



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.
4. Integrate monitor with Ethernet network in cabinet.

■ = 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 and 6 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 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,S9,10,S11,S12
PHASES USED.....1,2,2PED,3,4,4PED,5,6,6PED,7,8,8PED
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.	11	21,22 23,24	P21, P22	31	41,42 43	P41, P42	42	51	61,62 63,64	P61, P62	71,72	81,82 83	P81, P82	NU	NU	NU	NU	NU	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			117			132	132			123								
GREEN ARROW	127			118			133	133			124								
✋			113			104				119			110						
🚶			115			106				121			112						

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	Ø2/SYS	Ø2/SYS	SLOT	Ø 3	Ø 4	SLOT	SLOT	SYS. DET.	SLOT	SLOT	Ø2 PED	Ø6 PED	FS
		1A	2A/S2A	2C/S2C		3A	4A			S4A			DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
	L	NOT USED	Ø2/SYS	NOT USED	EMPTY	NOT USED	Ø 4	EMPTY	EMPTY	SYS. DET.	EMPTY	EMPTY	Ø4 PED	Ø8 PED	ST
			2B/S2B				4B			S4B			DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
FILE "J"	U	Ø 5	Ø 5	Ø6/SYS	Ø6/SYS	Ø 7	Ø 7	Ø 8	SLOT	SYS. DET.	SLOT	SLOT	SLOT	SLOT	SLOT
		5A	5B	6A/S6A	6C/S6C	7A	7B	8A		S8A			EMPTY	EMPTY	EMPTY
	L	NOT USED	NOT USED	Ø6/SYS	NOT USED	NOT USED	NOT USED	Ø 8	EMPTY	SYS. DET.	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY
				6B/S6B				8B		S8B					

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		3	S
2A/S2A	TB2-5,6	I2U	39	2	2	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2	YES			N
2C/S2C	TB2-9,10	I3U	63	32	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES			S
✳S4A	TB6-9,10	I9U	60	11	SYS	NO			N
✳S4B	TB6-11,12	I9L	62	13	SYS	NO			N
5A	TB3-1,2	J1U	55	5	5	YES		3	S
5B	TB3-5,6	J2U	40	6	5	YES		15	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			S
7B	TB5-9,10	J6U	42	8	7	YES			S
8A	TB7-1,2	J7U	66	38	8	YES			S
8B	TB7-3,4	J7L	79	48	8	YES		10	S
✳S8A	TB7-9,10	J9U	59	15	SYS	NO			N
✳S8B	TB7-11,12	J9L	61	17	SYS	NO			N
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				
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED				

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

✳ System detector only. Remove any assigned vehicle phase.

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: 06-0289
DESIGNED: December 2015
SEALED: 5/11/2016
REVISED:

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For: Transportation Mobility and Safety Division, North Carolina Department of Transportation, Signals Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

SR 1007 (Owen Drive) at SR 1003/1169 (Camden 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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 032607 ENGINEER STACIE L. PHILLIPS

DocuSigned by: DC87A56ED60B437...
7/20/2016
DATE

SIG. INVENTORY NO. 06-0289

PLANS PREPARED IN THE OFFICE OF:
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7/20/2016
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susan.pennington