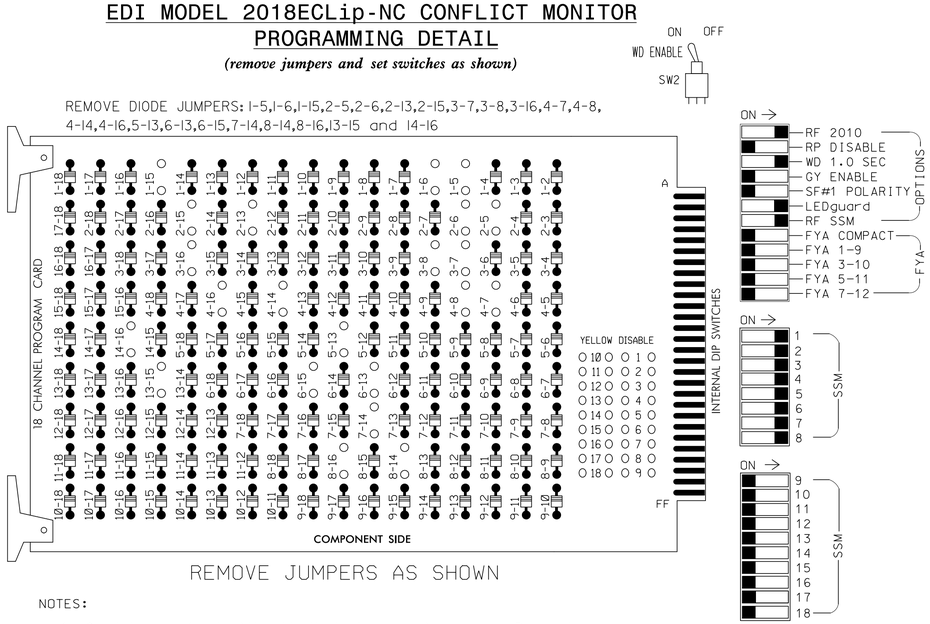
PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig. 25.1

EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.

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
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,S12
PHASES USED.....1,2,2PED,3,4,4PED,5,6,6PED,7,8,8PED
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	21,22	P21, P22	22	31,32	41,42	P41, P42	42	51,52	61,62	P61, P62	62	71,72	81,82	P81, P82
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	117			132	132			123	123		
GREEN ARROW	127			118	118			133	133			124	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	Ø1 1A	Ø2 2A	Ø2 2C	SLOT EMPTY	Ø3 3A	Ø4 4A	Ø4 4C	Ø4 4E	NOT USED	SLOT EMPTY	SLOT EMPTY	Ø2 PED DC ISOLATOR	Ø6 PED DC ISOLATOR	FS DC ISOLATOR
	L	NOT USED	Ø2 2B	NOT USED		NOT USED	Ø4 4B	Ø4 4D	NOT USED	Ø3 3B			Ø4 PED DC ISOLATOR	Ø8 PED DC ISOLATOR	ST DC ISOLATOR
FILE "J"	U	Ø5 5A	Ø5 5B	Ø6 6A	SLOT EMPTY	Ø7 7A	Ø8 8A	Ø8 8C	SLOT EMPTY	NOT USED	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L	NOT USED	NOT USED	Ø6 6B		NOT USED	Ø8 8B	Ø8 8D		Ø7 7B					

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
2A	TB2-5,6	I2U	39	2	2	YES			N
2B	TB2-7,8	I2L	43	12	2	YES			N
2C	TB2-9,10	I3U	63	32	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB6-11,12	I9L	62	13	3	YES			S
4A	TB4-9,10	I6U	41	4	4	NO	2.7		N
4B	TB4-11,12	I6L	45	14	4	NO	2.7		N
4C	TB6-1,2	I7U	65	34	4	YES			S
4D	TB6-3,4	I7L	78	44	4	YES			S
4E	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	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
7A	TB5-5,6	J5U	57	7	7	YES			S
7B	TB7-11,12	J9L	61	17	7	YES			S
8A	TB5-9,10	J6U	42	8	8	NO	2.2		N
8B	TB5-11,12	J6L	46	18	8	NO	2.2		N
8C	TB7-1,2	J7U	66	38	8	YES			S
8D	TB7-3,4	J7L	79	48	8	YES		10	S
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.

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: 06-0056
DESIGNED: October 2015
SEALED: 5/11/2016
REVISED:

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 401 Bypass
(Pamalee Dr./Country Club Dr.)
at
NC 210 (Murchison Rd.)

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 STACY L. PHILLIPS

DocuSigned by: 0C87A59ED60B437...
10/5/2016
DATE

SIG. INVENTORY NO. 06-0056

10/4/2016 $TIME$ $USER$ K:\MAL_TPTO_SIGNALS\01103634S Fayetteville Electricals\54 - Signal Designs\1st Submittal 6-17-16\0251 06-0056.2016e.dgn