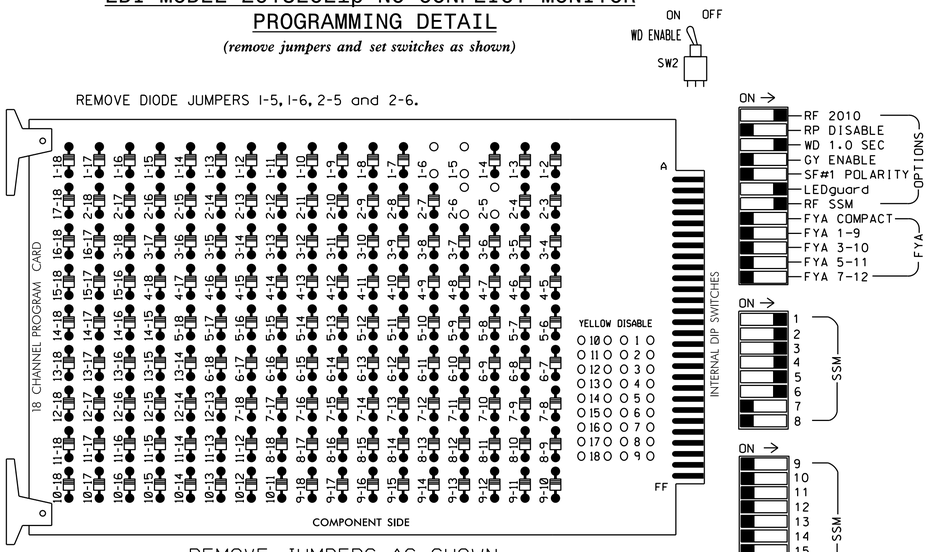
PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig. 36.1

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.

■ = 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 Green and 6 Green.
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,S4,S5,S7,S8
PHASES USED.....1,2,3,4,5,6
OVERLAP .....NONE

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	NU	31,32	33,34	35,36	41	42	NU	51	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED		128			116	116	101	101			134										
YELLOW		129			117		102	102			135										
GREEN		130			118		103	103			136										
RED ARROW	125			116						131											
YELLOW ARROW	126			117		117				132											
GREEN ARROW	127			118		118	103			133											

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,2B	SLOT EMPTY	SLOT EMPTY	ø3 3A	ø3 3C	ø3 3E	ø4 4B	SYS. DET. S2A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
	L	NOT USED	NOT USED			ø3 3B	ø3 3D	ø4 4A	NOT USED	SYS. DET. S2B					ST DC ISOLATOR
FILE "J"	U	ø5 5A	ø6 6A,6B,6C	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SYS. DET. S4A	SYS. DET. S6A	SYS. DET. S6B	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L	NOT USED	NOT USED					SYS. DET. S4B	NOT USED	SYS. DET. S6C					

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,2B	TB2-5,6	I2U	39	2	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-7,8	I5L	58	3	3	YES			S
3C	TB4-9,10	I6U	41	4	3	YES			S
3D	TB4-11,12	I6L	45	14	3	YES		15	S
3E	TB6-1,2	I7U	65	34	3	YES		15	S
4A	TB6-3,4	I7L	78	44	4	YES		3	S
4B	TB6-5,6	I8U	49	24	4	YES		10	S
✱S2A	TB6-9,10	I9U	60	11	SYS	YES			N
✱S2B	TB6-11,12	I9L	62	13	SYS	YES			N
5A	TB3-1,2	J1U	55	5	5	YES		3	S
6A,6B,6C	TB3-5,6	J2U	40	6	6	YES			N
✱S4A	TB7-1,2	J7U	66	38	SYS	YES			N
✱S4B	TB7-3,4	J7L	79	48	SYS	YES			N
✱S6A	TB7-5,6	J8U	50	28	SYS	YES			N
✱S6B	TB7-9,10	J9U	59	15	SYS	YES			N
✱S6C	TB7-11,12	J9L	61	17	SYS	YES			N

✱ System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0081
DESIGNED: November 2015
SEALED: 2-17-16
REVISED: N/A

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 401 Bus (Ramsey Street)
at
US 401 Byp (Country Club Drive)
/ Tokay Drive

Division 6 | Cumberland County | Fayetteville

PLAN DATE: January 2015 | REVIEWED BY: DTJ
PREPARED BY: James Peterson | REVIEWED BY:

REVISIONS	INIT.	DATE

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036880 ENGINEER KEITH M. MIMS

DocuSigned by:
Keith M. Mims
2F807B6EBCD34A5...
3/16/2016
DATE

SIG. INVENTORY NO. 06-0081

01-MAR-2016 14:12
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jtpeterson