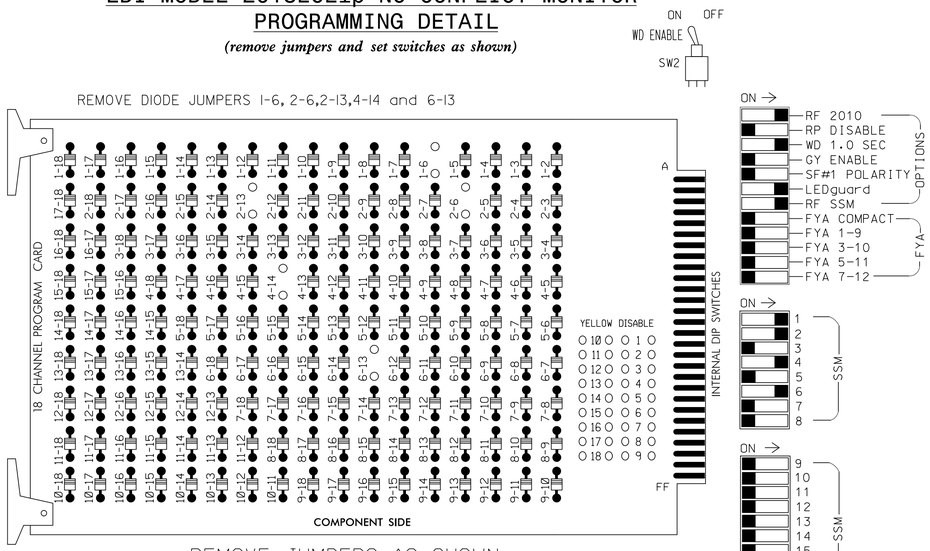
PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig. 19.1

EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

■ = DENOTES POSITION OF SWITCH

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 controller to start up in phase 2 Walk and 6 Green.
4. The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....336
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....POLE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S3,S5,S6,S8
PHASES USED.....1,2,2PED,4,4PED,6
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.	42	61	21,22	P21, P22	NU	41,42	P41, P42	NU	61,62	NU	NU	NU	NU
RED		*	128			101			134				
YELLOW			129			102			135				
GREEN			130			103			136				
RED ARROW													
YELLOW ARROW	126	126											
GREEN ARROW	127	127											
✋				113			104						
🚶				115			106						

NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

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	SLOT EMPTY	Ø4 4A,4B	SLOT EMPTY	Ø6 6A	SYS. DET. S2A	SYS. DET. S6A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø2 PED DC ISOLATOR	SLOT EMPTY	FS DC ISOLATOR
	L	Ø1 1B	NOT USED	SLOT EMPTY	NOT USED	SLOT EMPTY	NOT USED	SYS. DET. S2B	SYS. DET. S6B	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø4 PED DC ISOLATOR	SLOT EMPTY	ST DC ISOLATOR

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	TB21-1,2	I1U	56	1	1	YES			S
1B	TB23-1,2	I1L	47	22	1	YES			S
2A	TB21-3,4	I2U	39	2	2	YES			S
4A,4B	TB21-7,8	I4U	41	4	4	YES			S
6A	TB21-11,12	I6U	40	6	6	YES			S
*S2A	TB21-13,14	I7U	57	7	SYS	NO			N
*S2B	TB23-13,14	I7L	50	28	SYS	NO			N
*S6A	TB22-1,2	I8U	42	8	SYS	NO			N
*S6B	TB24-1,2	I8L	46	18	SYS	NO			N
PED PUSH BUTTONS									
P21,P22	TB22-9,10	I12U	67	PED 2	2 PED				
P41,P42	TB24-9,10	I12L	69	PED 4	4 PED				

NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOT I12

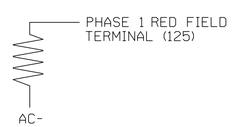
* System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



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: 06-0042
DESIGNED: APRIL 2016
SEALED: 6/14/2016
REVISED:

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For:
Traffic Operations, Mobility and Safety Division
NCDEPARTMENT OF TRANSPORTATION
Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

NC 210 (Murchison Road)
at
Langdon Street

Division 6 | Cumberland County | Fayetteville

PLAN DATE: July 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: 0C87A59ED60B437...
9/19/2016
DATE

SIG. INVENTORY NO. 06-0042

PLANS PREPARED IN THE OFFICE OF:
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Raleigh, NC 27601
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9/19/2016
K:\RAL_TPTP\...SIGNALS\011036345 Fayetteville Electrical\s54 - Signal Design\4th Submittal\sig_060042-2016e.dgn
susan.pennington