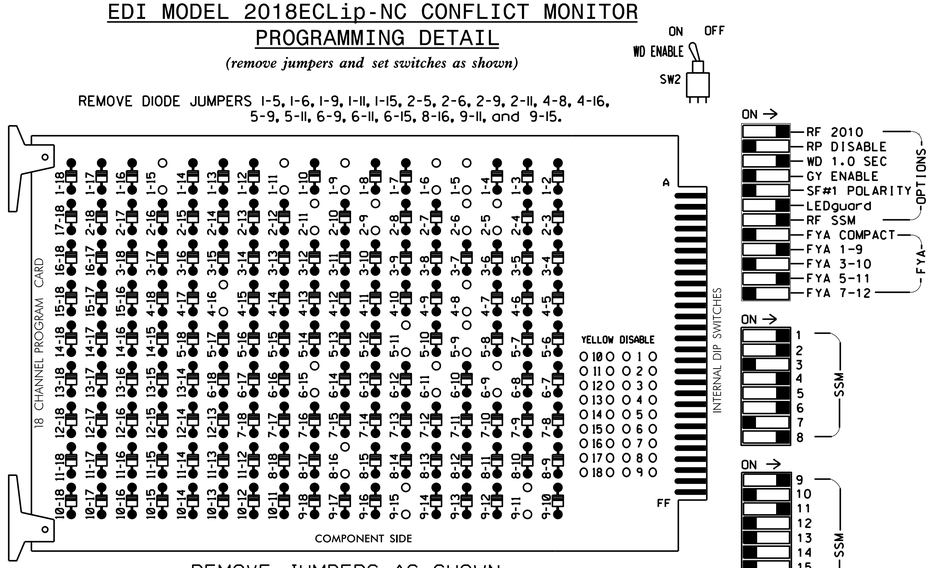
PROJECT REFERENCE NO.	SHEET NO.
U-5742	SIG.287.1

EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS I-5, I-6, I-9, I-11, I-15, 2-5, 2-6, 2-9, 2-11, 4-8, 4-16, 5-9, 5-11, 6-9, 6-11, 6-15, 8-16, 9-11, and 9-15.



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. Program phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all phases.
4. Program phases 2 and 6 for volume density operation.
5. Program controller to start up in phase 2 Green and 6 Green.
6. The cabinet and controller are part of the Fayetteville Signal System.
7. Program phases 2 and 6 for Yellow Flash.
8. Program phases 6 and 8 for 'STARTUP PED CALL'.

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,S5,S7,S8,S9,S11,S12, AUX S1, AUX S4
PHASES USED.....1,2,4,5,6,8,6 PED,8 PED
OVERLAP "A".....*
OVERLAP "B".....NOT USED
OVERLAP "C".....*
OVERLAP "D".....NOT USED

* See overlap programming detail on sheet 2

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★	82	21,22	NU	NU	41,42	NU	42	51★	61,62	P61, P62	NU	81,82	P81, P82	11★	NU	NU	51★	NU	NU
RED	*		128			101		*		134			107							
YELLOW			129			102				135			108							
GREEN			130			103				136			109							
RED ARROW															A121			A114		
YELLOW ARROW		126						132							A122			A115		
FLASHING YELLOW ARROW															A123			A116		
GREEN ARROW	127	127						133	133											
✋											119			110						
🚶											121			112						

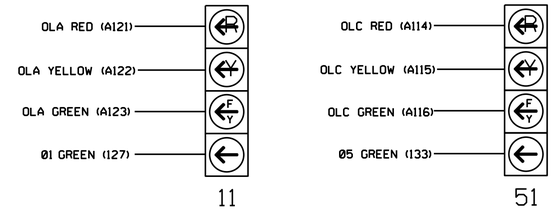
NU = Not Used

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

★ See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I" U	SLOT EMPTY	Ø2 2A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø4 4A	WIRED INPUT ⊗	SLOT EMPTY	Ø1 1A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø6 PED DC ISOLATOR	FS DC ISOLATOR
FILE "I" L		Ø2 2B				Ø5 5B	WIRED INPUT ⊗		Ø5 5A				Ø8 PED DC ISOLATOR	ST DC ISOLATOR
FILE "J" U	SLOT EMPTY	Ø6 6A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø8 8A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
FILE "J" L		Ø6 6B				Ø1 1B								

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A'	TB6-1,2	I7U	65	34	6		3	G
	TB6-9,10	I9U	60	11	1		15	S
1B	TB5-11,12	J6L	46	18	1		15	S
2A	TB2-5,6	I2U	39	2	2			S
2B	TB2-7,8	I2L	43	12	2			S
4A	TB4-9,10	I6U	41	4	4		3	S
5A'	TB6-3,4	I7L	78	44	2		3	G
	TB6-11,12	I9L	62	13	5		15	S
5B	TB4-11,12	I6L	45	14	5		15	S
6A	TB3-5,6	J2U	40	6	6			S
6B	TB3-7,8	J2L	44	16	6			S
8A	TB5-9,10	J6U	42	8	8		3	S
P61,P62	TB8-7,9	I13U	68	6 PED	PED 6			
P81,P82	TB8-8,9	I13L	70	8 PED	PED 8			

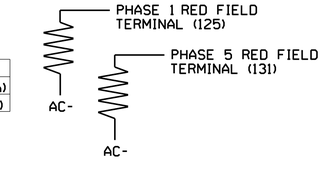
' Add jumper from I7-F to I9-F.

' Add jumper from I7-W to I9-W.

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)

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: C025
DESIGNED: NOVEMBER 2016
SEALED: 11/18/2016
REVISED:

Electrical Detail Sheet 1 of 2

Prepared in the Offices of:
Hatch Mott MacDonald
PO Box 700
Fuquay-Varina, NC 27526
www.hatchmott.com
HATCH MOTT MACDONALD I & E, LLC
LICENSE NO. P-0669

Fayetteville

VILLAGE DRIVE
AT
FORDHAM DRIVE

DIV 06 | CUMBERLAND COUNTY | FAYETTEVILLE
PLAN DATE: NOVEMBER 2016 | REVIEWED BY: RWT
PREPARED BY: BLR | REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 032711 ENGINEER RUSSELL W. THOMPSON

DocuSigned by:
Russell W Thompson 11/21/2016
SIGNATURE DATE

SIG. INVENTORY NO. C025

default
\\NCF-DATA\Proj\360655_U-5742_Fay-Sig\Project\Signals\Design\100%\FINAL SEALED PLANS\Revised 117201G\Village_at_Fordham.dgn
11/18/2016 10:18:58 AM