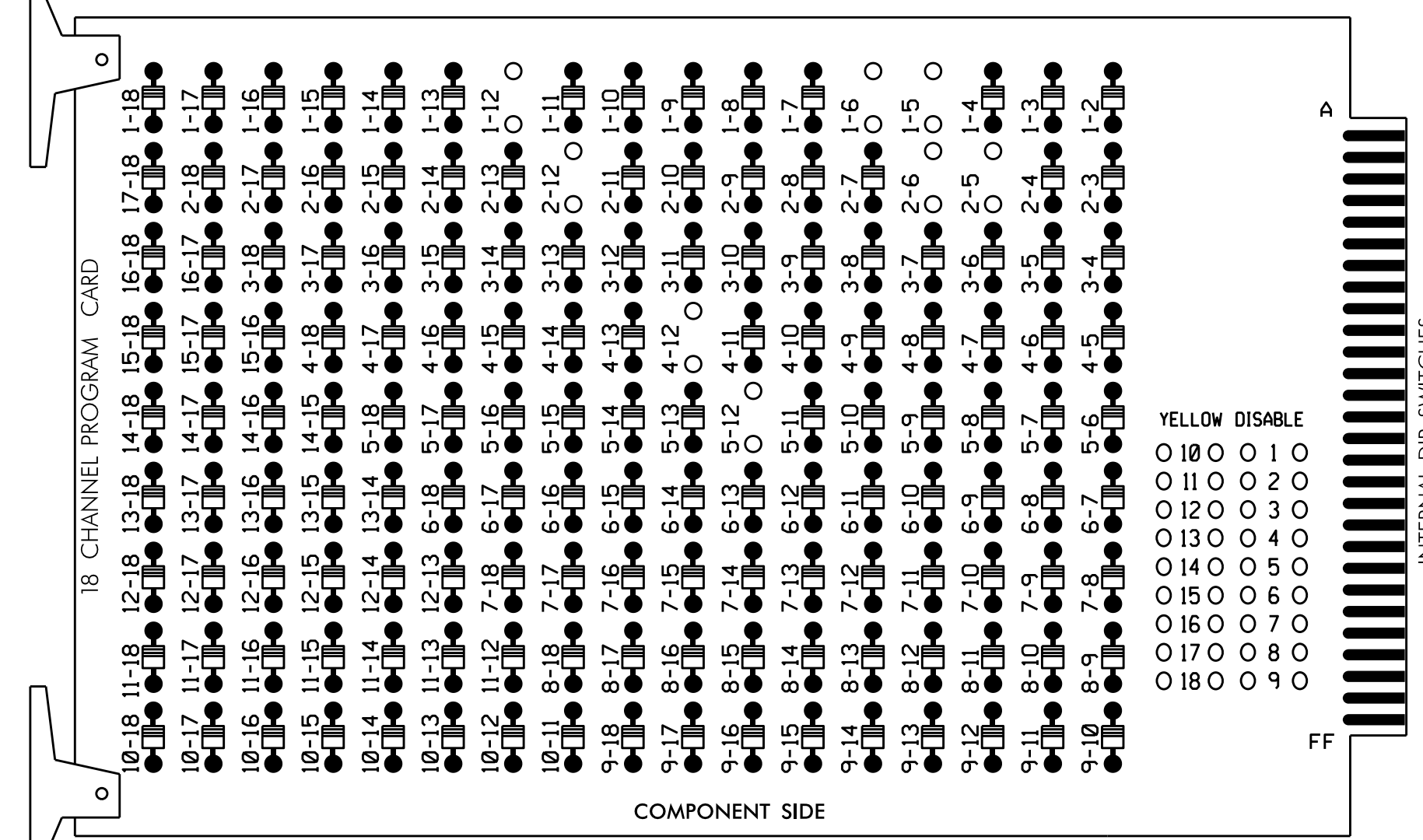


**EDI MODEL 2018EClip-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

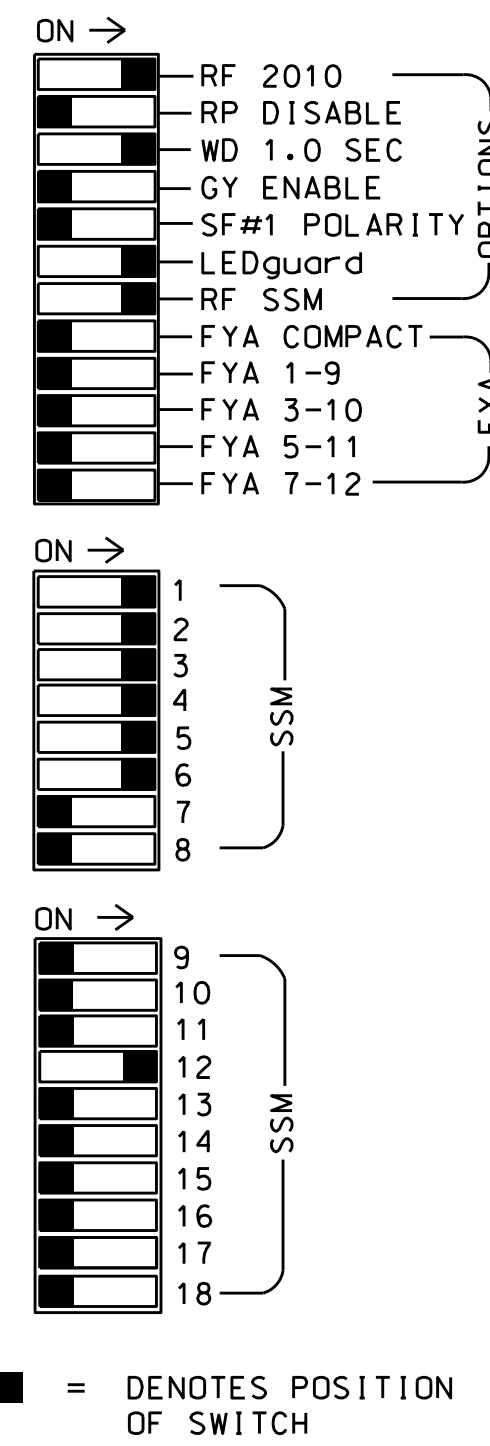
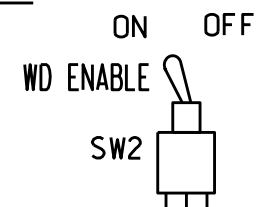
REMOVE DIODE JUMPERS 1-5, 1-6, 1-12, 2-5, 2-6, 2-12, 4-12, and 5-12.



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 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 FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,
 AUX S5
 PHASES USED.....1,2,3,4,5,6
 OVERLAP A.....NOT USED
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 OVERLAP D.....4+5

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	33	21,22	31	32,33	41	42	51,52	61,62	71	72	81	91	92	93	94	95	96
RED			128	116	116	101	101		134									A101
YELLOW			129	117	117	102	102		135									
GREEN			130	118	118	103	103		136									
RED ARROW	125											131						
YELLOW ARROW	126	126										132						A102
GREEN ARROW	127	127				118	103		133									A103

NU = Not Used

NOTE: For signal heads 43 and 44 to flash concurrently with 41 and 42, locate the wire that connects terminal 01-6 on the rear of the output file to terminal TA-2 on the rear of the auxiliary output file. Remove this wire from terminal 01-6 and terminate it on terminal 01-8.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1	∅ 2	∅ 2	∅ 3	∅ 3	∅ 4	∅ 5	∅ 5	∅ 6	∅ 6	∅ 7	∅ 7	∅ 8	∅ 8
L	1A	2A	2C	3A	3B	4A	5A	5C	6A	6B	7A	7C	8A	8B
U	∅ 5	∅ 5	∅ 6	∅ 7	∅ 7	∅ 8	∅ 9	∅ 9	∅ 10	∅ 10	∅ 11	∅ 11	∅ 12	∅ 12
L	5A	5C	6A	7A	7C	8A	9A	9C	10A	10C	11A	11C	12A	12B

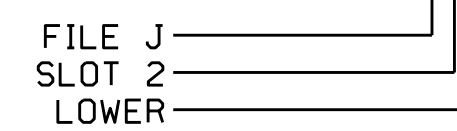
EX.: 1A, 2A, ETC. = LOOP NO.'S

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	TB2-5,6	I2U	39	2	1	YES			S
1B	TB2-7,8	I2L	43	12	1	YES		15	S
2A	TB2-9,10	I3U	63	32	2	YES			N
2B	TB2-11,12	I3L	76	42	2	YES			N
2C	TB4-1,2	I4U	47	22	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES		3	S
3B	TB4-9,10	I6U	41	4	3	YES			S
3C	TB4-11,12	I6L	45	14	3	YES			S
4A	TB6-1,2	I7U	65	34	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-3,4	J1L	55	5	5	YES			S
5C	TB3-5,6	J2U	40	6	5	YES		15	S
5D	TB3-7,8	J2L	44	16	5	YES		15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N

INPUT FILE POSITION LEGEND: J2L



**ECONOLITE ASC/3-2070 OVERLAP
PROGRAMMING DETAIL**

(program controller as shown)

1. From Main Menu select **2. CONTROLLER**
2. From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

OVERLAP D

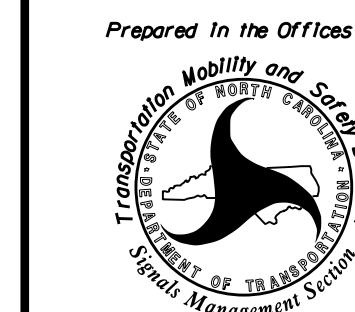
Select TMG VEH OVLP [D] and 'NORMAL'

TMG VEH OVLP...[D] TYPE:[NORMAL]
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
 INCLUDED . . . X X
 LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

Electrical Detail

ELECTRICAL AND PROGRAMMING DETAILS FOR:



750 N. Greenfield Pkwy, Garner, NC 27529

NC 24-87 (Bragg Boulevard)
 at
 Knox Street

Division 6 Cumberland County Fayetteville

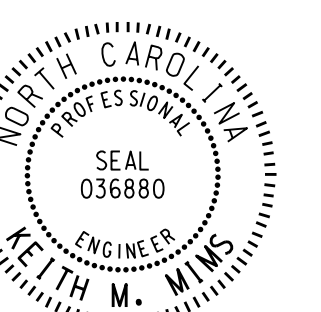
PLAN DATE: February 2016 REVIEWED BY: T. Joyce

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL



DocuSigned by: Keith M. Mins 3/15/2016

SIG. INVENTORY NO. 06-0905

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0905
 DESIGNED: November 2015
 SEALED: 2/19/2016
 REVISED: N/A

15-MAR-2016 13:16
 S:\MITS\15\SIGNAL\work\hgr\oups\g_MinhArmstrong\060905_sm.elec.xxx.dgn
 sarmstrong