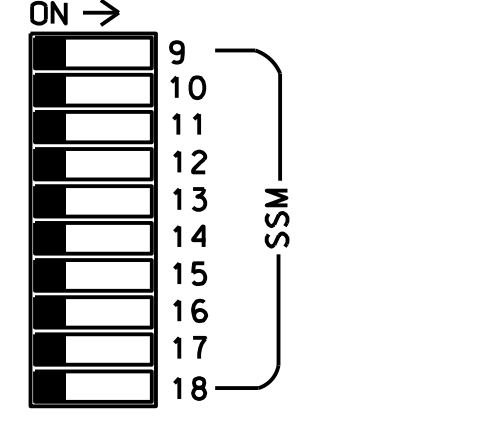
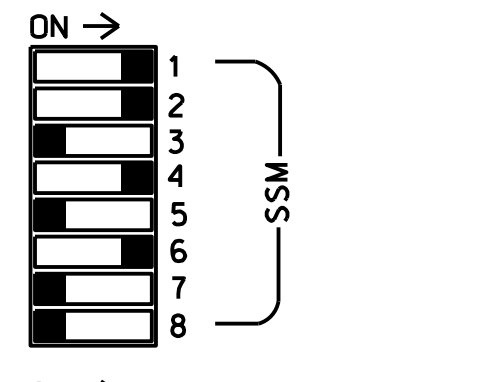
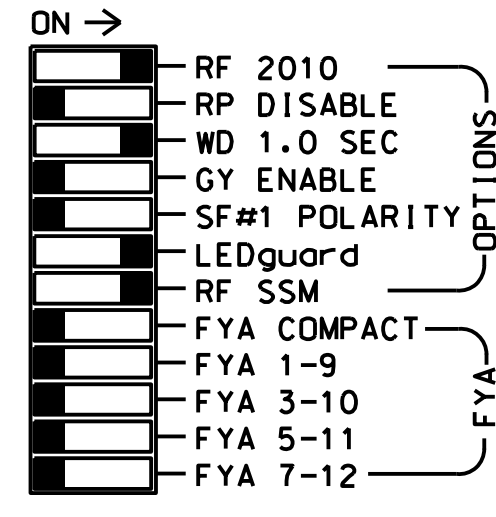
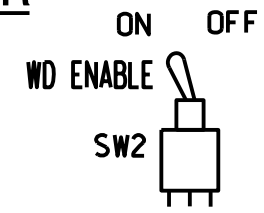
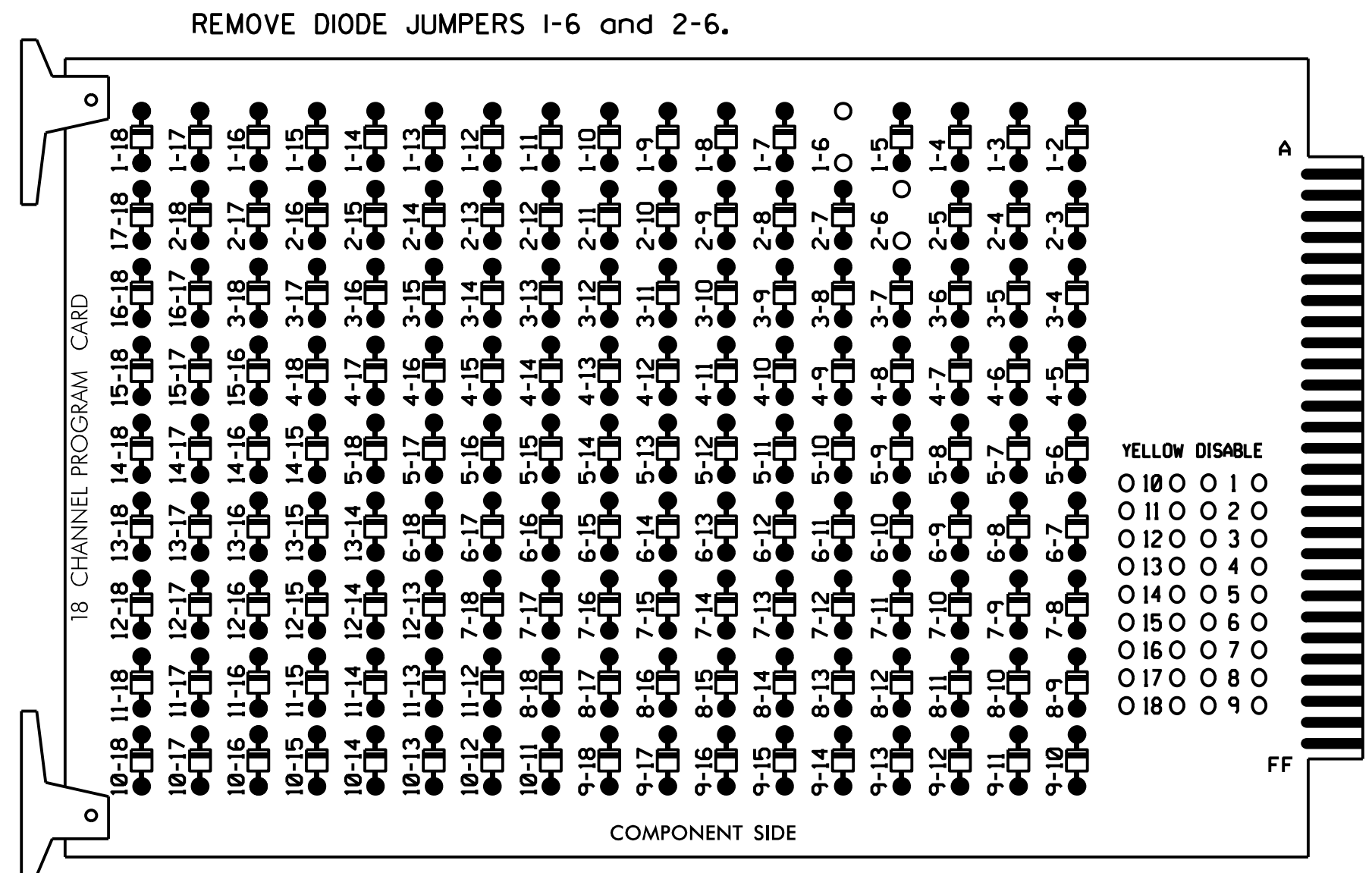


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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 controller to start up in phase 2 Green and 6 Green.
3. The cabinet and controller are part of the Belmont Signal System.

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.	11,12	21,22,23	NU	NU	41,42	NU	NU	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED		128			101			134										
YELLOW		129			102			135										
GREEN		130			103			136										
RED ARROW	125																	
YELLOW ARROW	126																	
GREEN ARROW	127																	

NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 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,S8
 PHASES USED.....1,2,4,6
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
∅ 1	∅ 1	∅ 2/SYS	∅ 2/SYS	S	∅ 4	∅ 4	S	S	S	S	S	S	S	FS
1A	1B	2A/S35	2C/S37	∅ 4	4A	4C	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	DC ISOLATOR
NOT USED	NOT USED	∅ 2/SYS	NOT USED	∅ 4	4B	NOT USED	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	ST
		2B/S36		∅ 4	4B	NOT USED	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	NOT USED	∅ 4	DC ISOLATOR
FILE "J"		∅ 6/SYS		S	S	S	S	S	S	S	S	S	S	S
		6A/S33		S	S	S	S	S	S	S	S	S	S	S
		∅ 6/SYS		S	S	S	S	S	S	S	S	S	S	S
		6B/S34		S	S	S	S	S	S	S	S	S	S	S

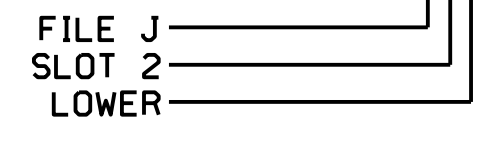
EX.: 1A, 2A, ETC. = LOOP NO.'S

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	ADDED INITIAL	DETECTOR TYPE
1A	TB2-1,2	11U	56	1	1	YES				S
1B	TB2-5,6	12U	39	2	1	YES				S
2A/S35	TB2-9,10	13U	63	32	2/SYS	YES			X	N
2B/S36	TB2-11,12	13L	76	42	2/SYS	YES			X	N
2C/S37	TB4-1,2	14U	47	22	2/SYS	YES			X	N
4A	TB4-9,10	16U	41	4	4	YES				S
4B	TB4-11,12	16L	45	14	4	YES		15		S
4C	TB6-1,2	17U	65	34	4	YES		15		S
6A/S33	TB3-5,6	J2U	40	6	6/SYS	YES			X	N
6B/S34	TB3-7,8	J2L	44	16	6/SYS	YES			X	N

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0985
 DESIGNED: October 2018
 SEALED: February 7, 2019
 REVISED: N/A

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Electrical Detail

Prepared in the Office of:

 NC FIRM LICENSE No: P-0339
 504 Meadowlands Drive
 Hillsborough, NC 27278
 (919) 732-3883
 (919) 732-6676 (FAX)

ELECTRICAL AND PROGRAMMING DETAILS FOR:

 Prepared For:
 City of Gaston
 Department of Transportation
 Signal Management Section
 750 N. Greenfield Pkwy, Corner, NC 27529

NC 273 (Park Street) at I-85 Northbound Ramps
 Division 12 Gaston County Belmont
 PLAN DATE: October 2018 REVIEWED BY:
 PREPARED BY: J. Smith REVIEWED BY: E. Sirgany
 REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 SEAL 018174
 Edward W. Sirgany
 2/7/2019
 DATE
 SIG. INVENTORY NO. 12-0985