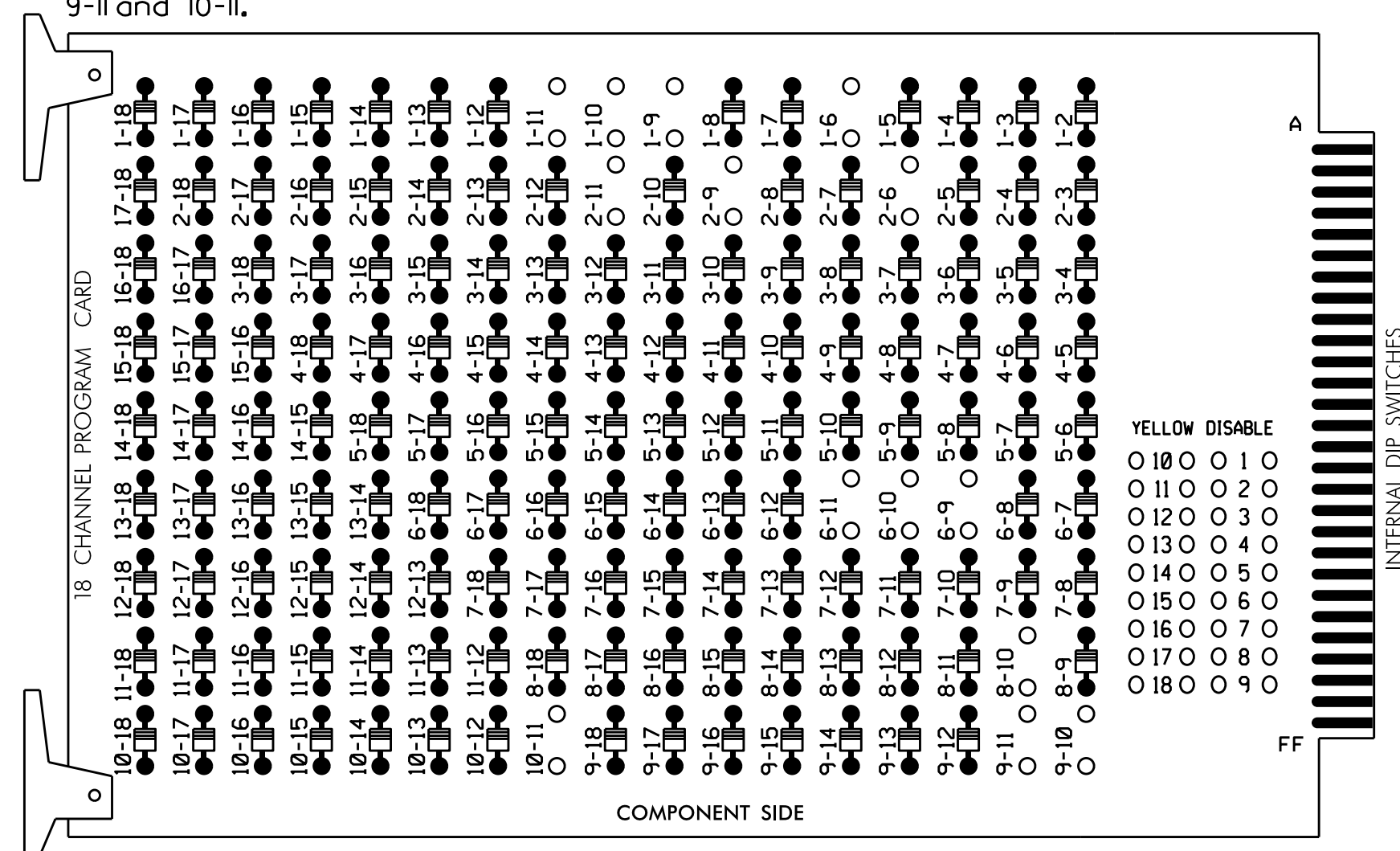


**EDI MODEL 2018ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

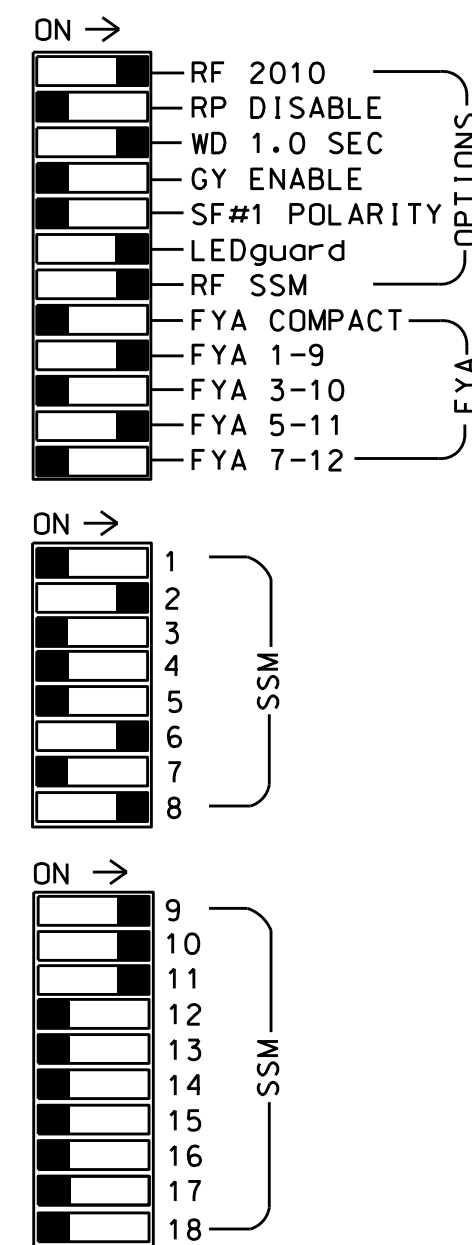
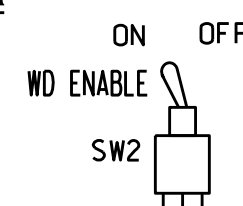
REMOVE DIODE JUMPERS 1-6, 1-9, 1-10, 1-11, 2-6, 2-9, 2-11, 6-9, 6-10, 6-11, 8-10, 9-10, 9-11 and 10-11.



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. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = 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 Variable Initial and Gap Reduction.
4. Program phases 2 and 6 for Start Up In Green.
5. Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S8,S11,AUX S1,AUX S2,AUX S4
 PHASES USED.....1,2,6,8
 OVERLAP "A".....1+2
 OVERLAP "B".....1+8
 OVERLAP "C".....6
 OVERLAP "D".....NOT USED

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	22, 23, 24	NU	NU	NU	NU	NU	61, 62, 63	NU	NU	23	81, 82	NU	11	82	NU	21	NU
RED		128						134			107			*				
YELLOW	*	129						135										
GREEN		130						136										
RED ARROW													A121				A114	
YELLOW ARROW											108	108	A122	A125			A115	
FLASHING YELLOW ARROW													A123				A116	
GREEN ARROW	127										109	109		A126				

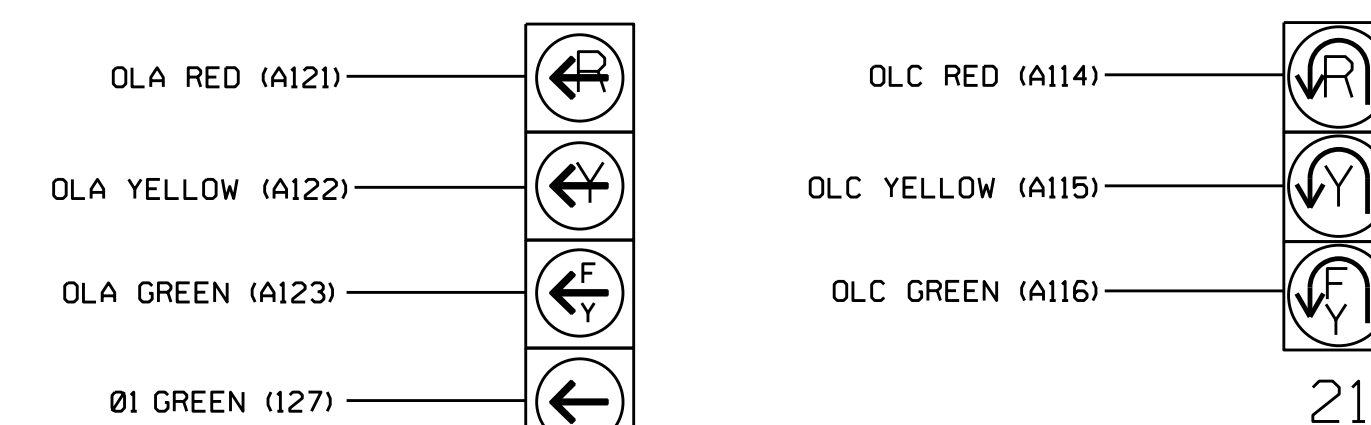
NU = Not Used

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

★ See pictorial of head wiring in detail below.

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"	∅ 1 1A	∅ 2 2A	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	FS DC ISOLATOR
FILE "J"	NOT USED	∅ 2 2B	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	ST DC ISOLATOR
FILE "U"	-OR- -OR-	∅ 6 6A	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-
FILE "L"	-OR- -OR-	NOT USED	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-	-OR- -OR-

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

FS = FLASH SENSE
 ST = STOP TIME

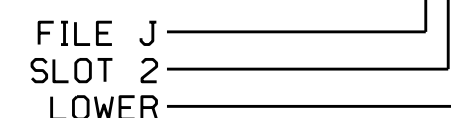
⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A ¹	TB2-1,2	I1U	56	18	1	1	Y	Y			15
	-	J4U	48	10	26	6	Y	Y	Y		3
1B	TB5-11,12	J6L	46	8	18	1	Y	Y			15
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	Y		3
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			

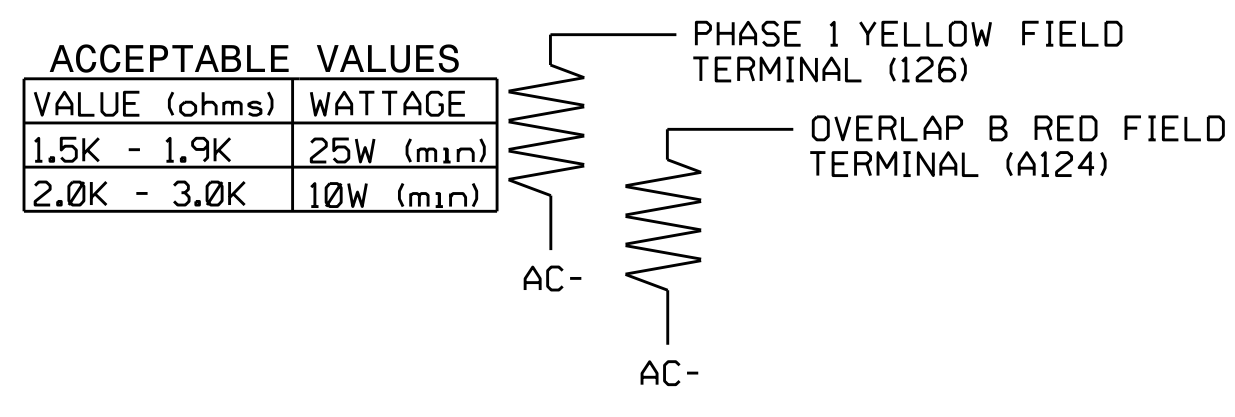
¹Add jumper from I1-W to J4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1555
 DESIGNED: February 2017
 SEALED: 3/1/2017
 REVISED:

THIS ELECTRICAL DETAIL SUPERSEDES THE DETAIL SEALED ON 01/24/17

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details for: SR 1921 (Mebane Rogers Road) at NC 119

Prepared In the Offices of: Transportation Mobility and Safety Solutions, Inc. (North Carolina Professional Engineer Seal 030530, Zachary M. Little)

Division 7 Alamance County Mebane
 PLAN DATE: February 2017 REVIEWED BY: T. Joyce
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS: _____ INIT. DATE _____

DocuSigned by: Zachary M. Little 3/6/2017
 0021EFD04F531F DATE
 SIG. INVENTORY NO. 07-1555

06-MAR-2017 13:28 S:\MITS\01\1555\SIGNAL\WORK\HOURS\SIG_Mobility\1555_sme.le.xxx.dgn