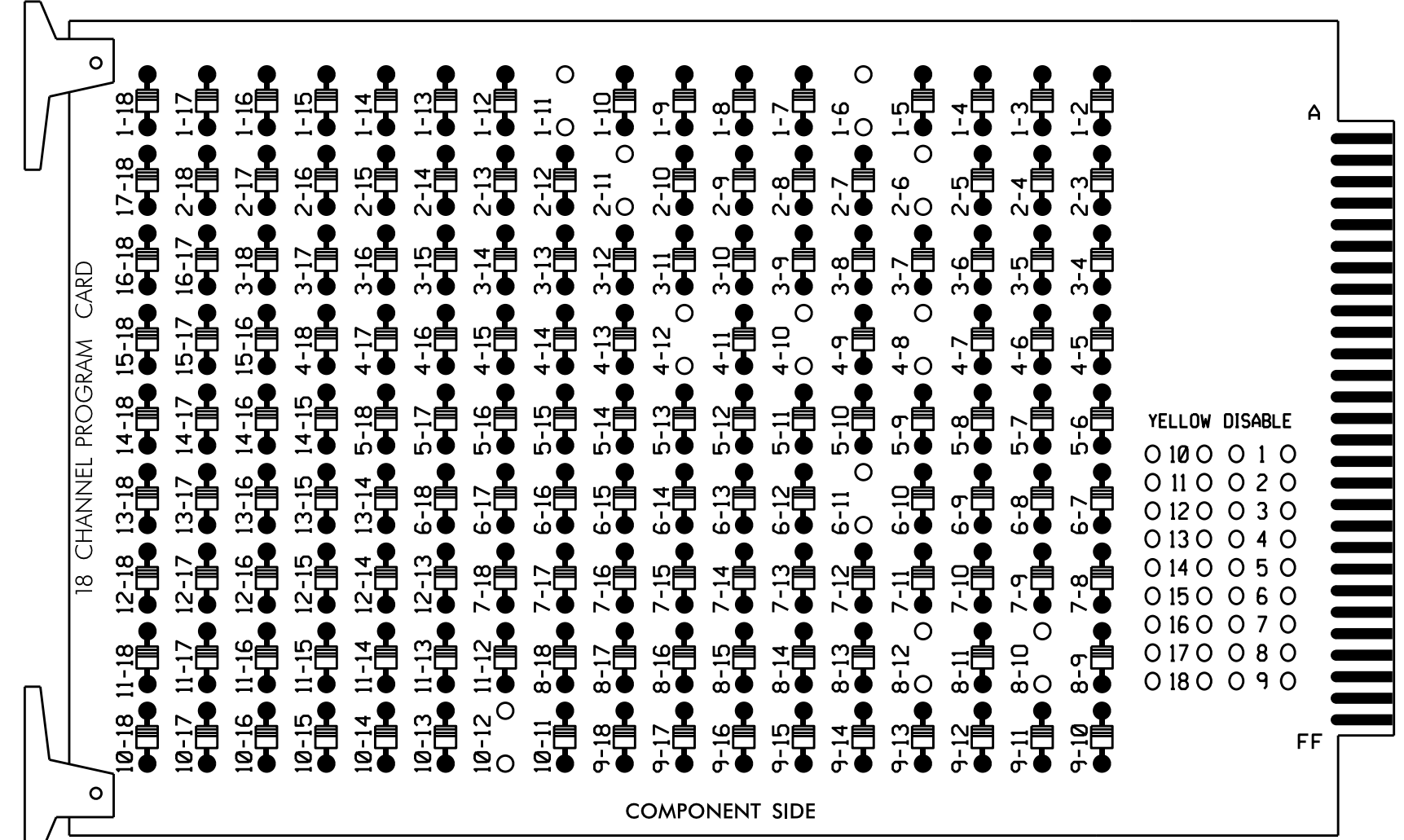


**EDI MODEL 2018ECL-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

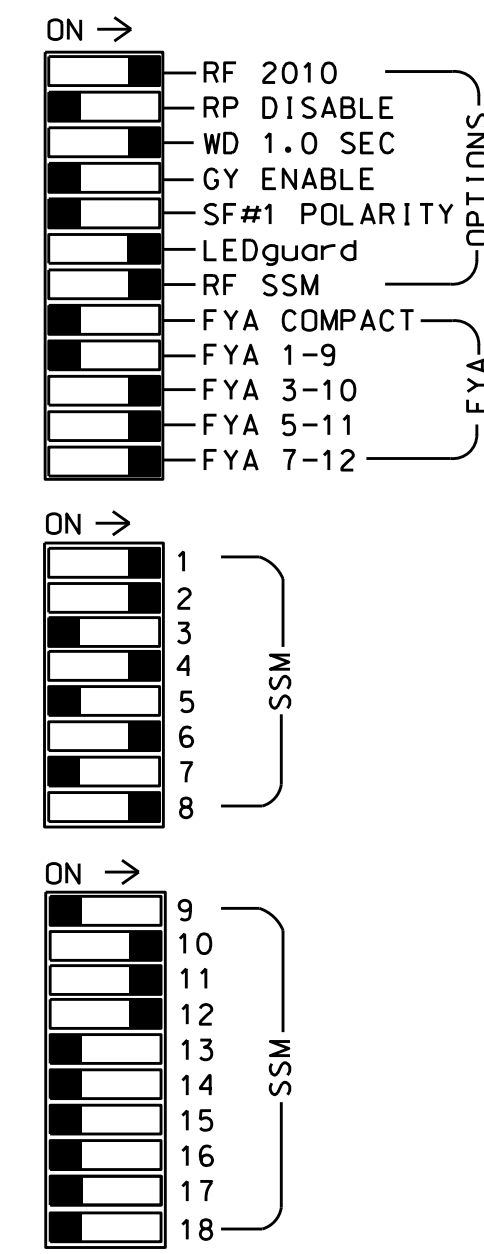
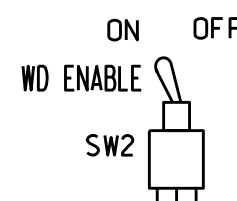
REMOVE DIODE JUMPERS 1-6, 1-11, 2-6, 2-11, 4-8, 4-10, 4-12, 6-11, 8-10, 8-12 and 10-12.



REMOVE JUMPERS AS SHOWN

**NOTES:**

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = DENOTES POSITION OF SWITCH

**NOTES**

- 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.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash, and overlap 2 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,S5,S8,S11,AUX S2,AUX S4,AUX S5  
PHASES USED.....1,2,4,6,8  
OVERLAP "A".....NOT USED  
OVERLAP "B".....4  
OVERLAP "C".....6  
OVERLAP "D".....8

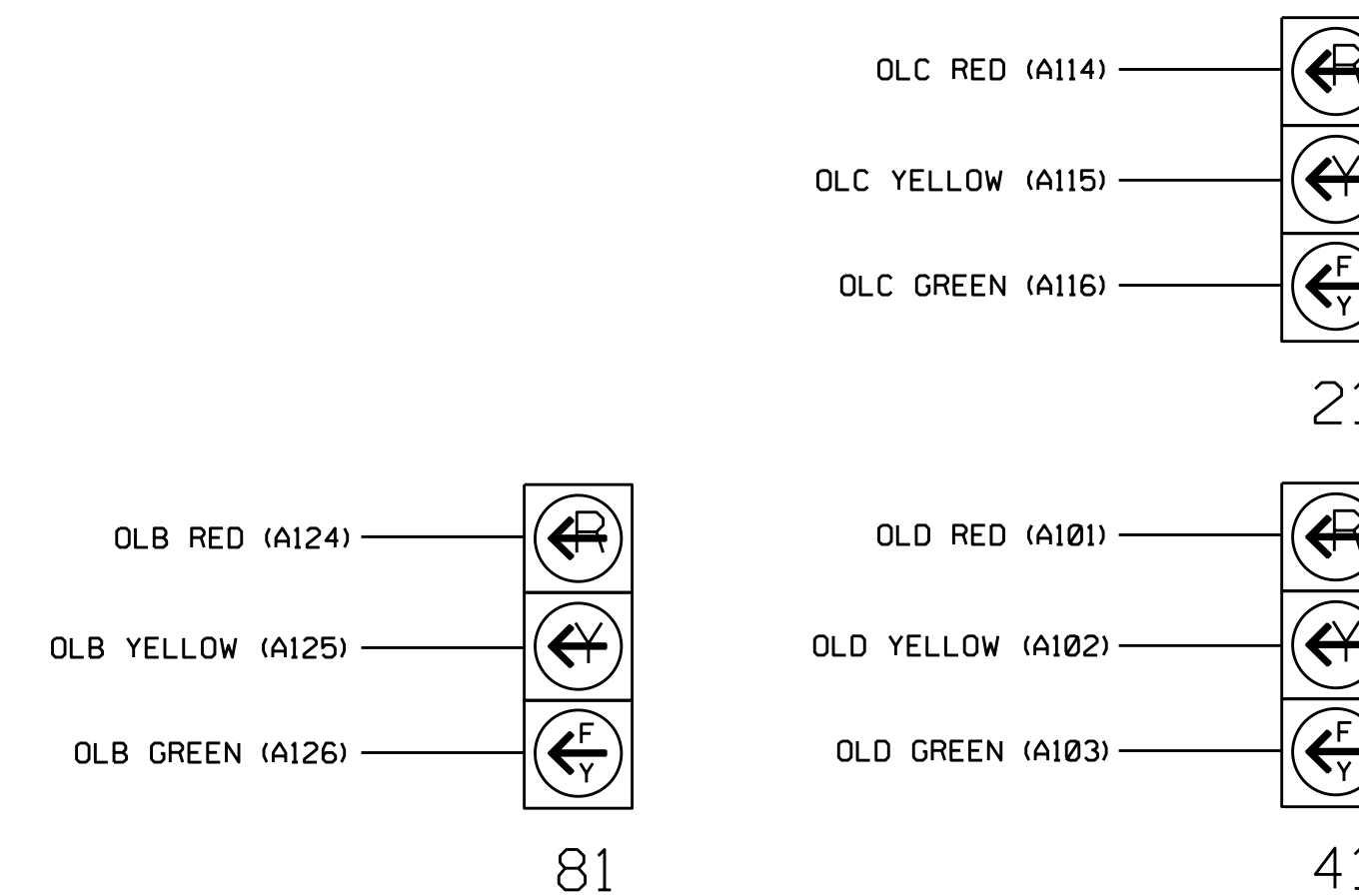
**SIGNAL HEAD HOOK-UP CHART**

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	83	22,23	NU	NU	42,43	NU	NU	61,62	NU	NU	82,83	NU	NU	81	21	41	NU
RED		128				101			134			107						
YELLOW			129			102			135			108						
GREEN			130			103			136			109						
RED ARROW	125														A124	A114	A101	
YELLOW ARROW	126	126													A125	A115	A102	
FLASHING YELLOW ARROW															A126	A116	A103	
GREEN ARROW	127	127																

NU = Not Used  
★ See pictorial of head wiring in detail below.

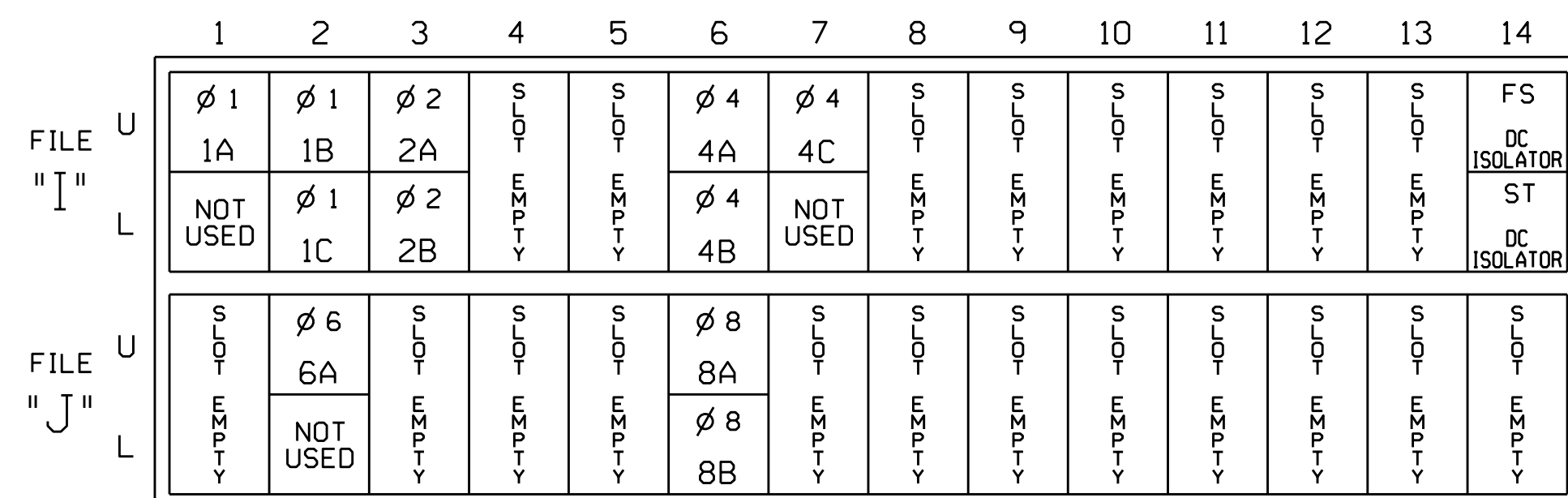
**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**INPUT FILE POSITION LAYOUT**

(front view)



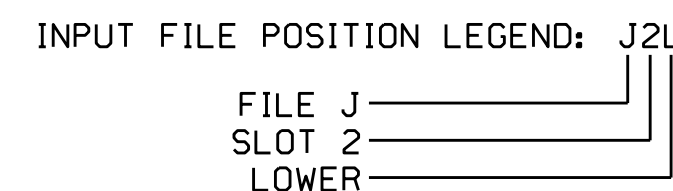
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			3
1B	TB2-5,6	I2U	39	1	2	1	Y	Y			3
1C	TB2-7,8	I2L	43	5	12	1	Y	Y			15
2A	TB2-9,10	I3U	63	25	32	2	Y	Y			
2B	TB2-11,12	I3L	76	38	42	2	Y	Y	Y		3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			3
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			

! If present, remove jumper from I1-W to J4-W, on rear of input file.



**FLASHER CIRCUIT MODIFICATION DETAIL**

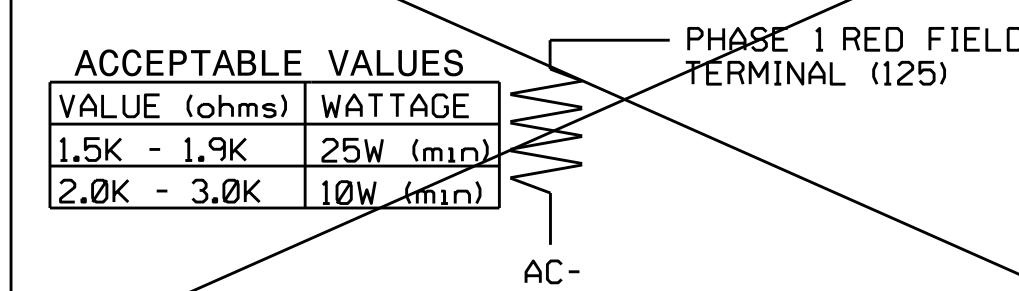
IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

- ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
- ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
- REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistor as shown below)



! If present, remove load resistor PHASE 1 RED FIELD TERMINAL (I25)

Electrical Detail - Final - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:  
Transportation Mobility and Safety  
Division of North Carolina  
Signal Management Services  
750 N. Greenfield Pkwy, Garner, NC 27529

US 64 Alternate at NC 125 (Prison Camp Road) / SR 1458 (Greenville Avenue)

Division 1 Martin County Williamston  
PLAN DATE: September 2016 REVIEWED BY: T. Joyce  
PREPARED BY: C. Strickland REVIEWED BY:

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030530  
ZACHARY M. LITTLE  
10/3/2016  
SIC. INVENTORY NO. 01-0199

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 01-0199  
DESIGNED: August 2016  
SEALED: 9/22/2016  
REVISED: