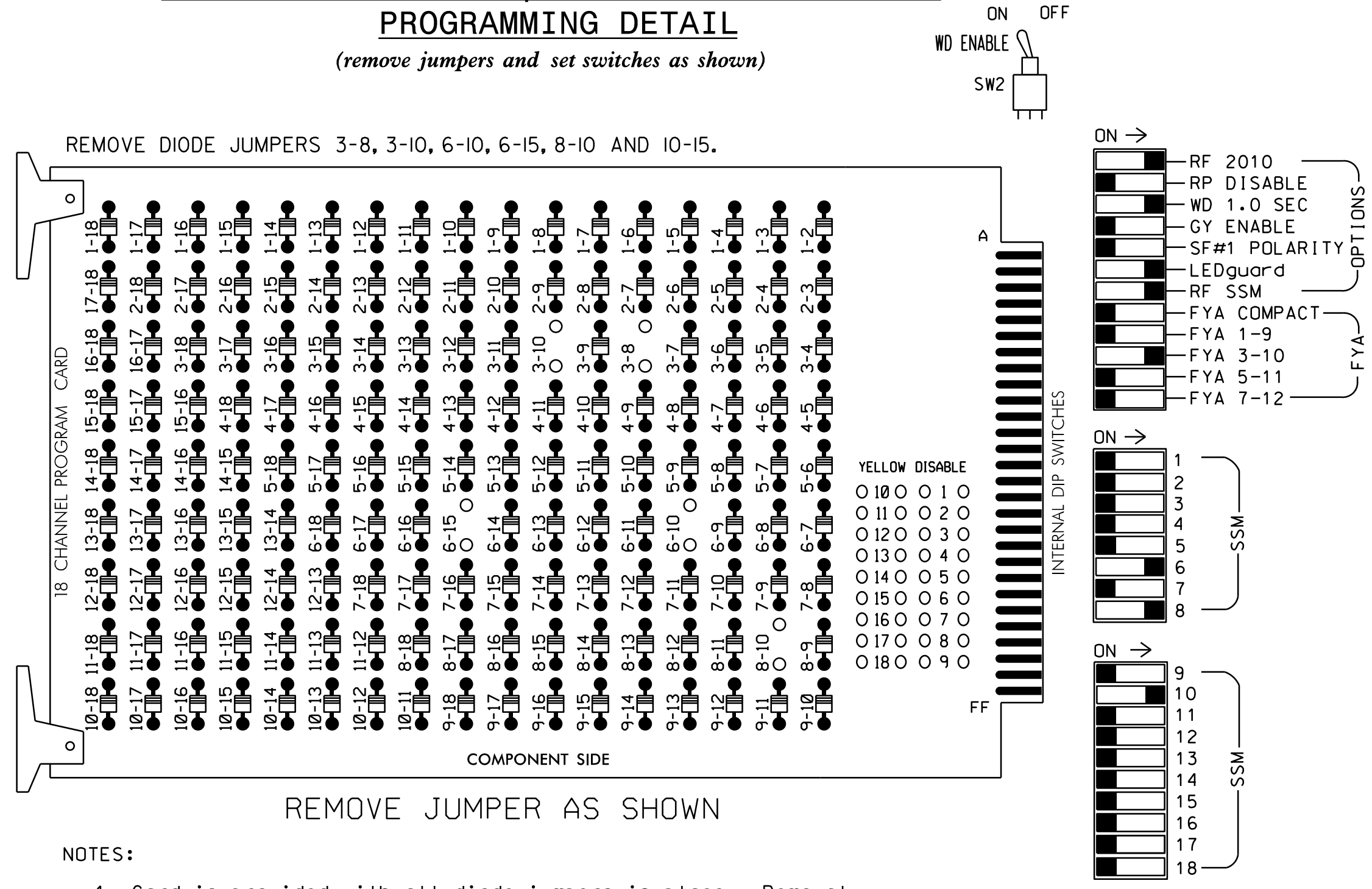


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- 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.
 - Integrate monitor with Ethernet network in cabinet.

- 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.
 - Enable Simultaneous Gap-Out for all Phases.
 - Program phase 6 for Variable Initial and Gap Reduction.
 - Program phase 6 for Startup In Green.
 - Program phase 6 for Startup Ped Call.
 - Program phase 6 for Yellow Flash.
 - The cabinet and controller are part of the Wilmington Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 /W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S4,S8,S9,S11,AUX S2
 PHASES USED.....3,6,6PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....3+6
 OVERLAP "C".....NOT USED
 OVERLAP "D".....NOT USED
 OVERLAP "G".....3

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	* * OLG	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	NU	NU	31,32	NU	NU	NU	61,62, 63	P61, P62	NU	33,34, 35	NU	NU	31,32	NU	NU	NU	NU	
RED								134			107								
YELLOW				*				135											
GREEN								136											
RED ARROW																		A124	
YELLOW ARROW												108							A125
FLASHING YELLOW ARROW																			A126
GREEN ARROW																			118
Hand icon													119						
Walking person icon																			121

NU = Not Used
 * See pictorial of head wiring in detail this sheet.
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ** Requires special programming and output remapping. See sheets 2 and 4.

INPUT FILE POSITION LAYOUT
(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	S	S	S	S	∅ 3	∅ 3	S	S	S	S	S	S	S	∅ 6 PED	FS
	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	3A	3B	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
"J"	S	S	S	S	∅ 3	∅ 3	S	S	S	S	S	S	S	S	S
	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	NOT USED	3C	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
"U"	S	∅ 6	S	S	S	S	S	S	S	S	S	S	S	S	S
	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
"J"	S	∅ 6	S	S	S	S	S	S	S	S	S	S	S	S	S
	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR

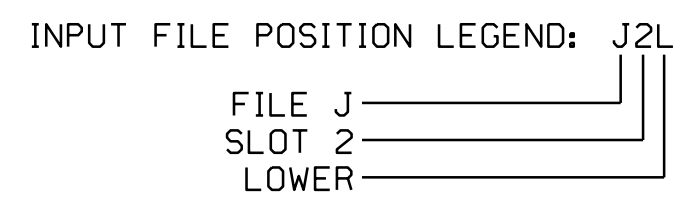
EX. : 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

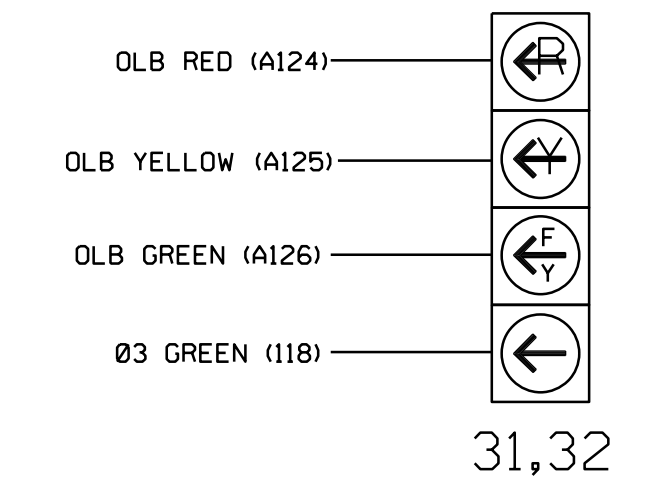
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			10
	-	I5U	58	20 *	53	3	Y	Y			
3B	TB4-9,10	I6U	41	3	4	3	Y	Y			15
3C	TB4-11,12	I6L	45	7	14	3	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
PED PUSH BUTTONS											
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					

NOTE:
 INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.

* See Input Page Assignment programming details on sheet 3.



FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)



- NOTE**
- The display sequence for signal heads 31 and 32 requires special programming. See sheet 2 for programming instructions.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

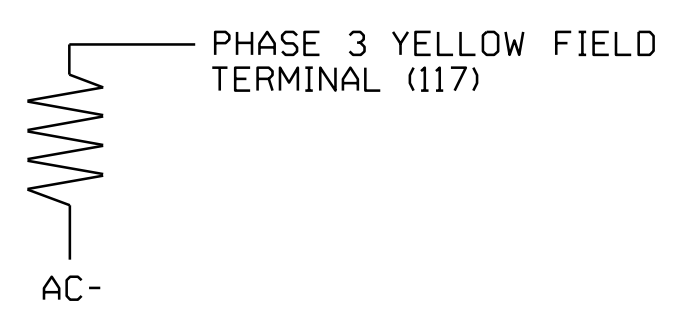
Countdown ped signals are required to display timing only during ped clearance interval. Consult ped signal module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1153
 DESIGNED: Nov 2021
 SEALED: 11/08/2021
 REVISED: N/A

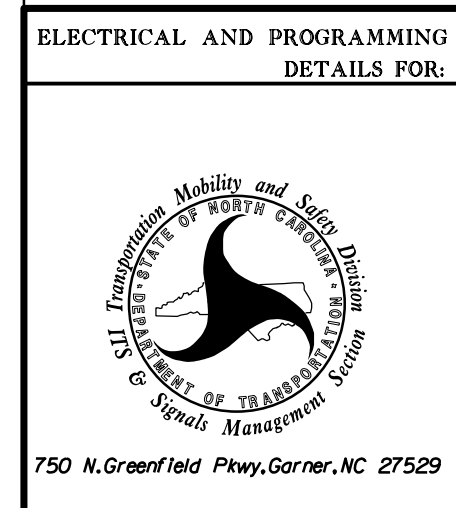
LOAD RESISTOR INSTALLATION DETAIL
(install resistor as shown)

ACCEPTABLE VALUES

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



Electrical Detail
 Sheet 1 of 4



US 74 (Eastwood Road)
 at
 Drysdale Drive
 Division 3 New Hanover County Wilmington
 PLAN DATE: November 2021 REVIEWED BY: WJ Hamilton
 PREPARED BY: A. Andrews RKA PROJ. NO.: 19258 (040)

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Signature: William J. Hamilton
 Date: 11/08/2021
 SIG. INVENTORY NO. 03-1153