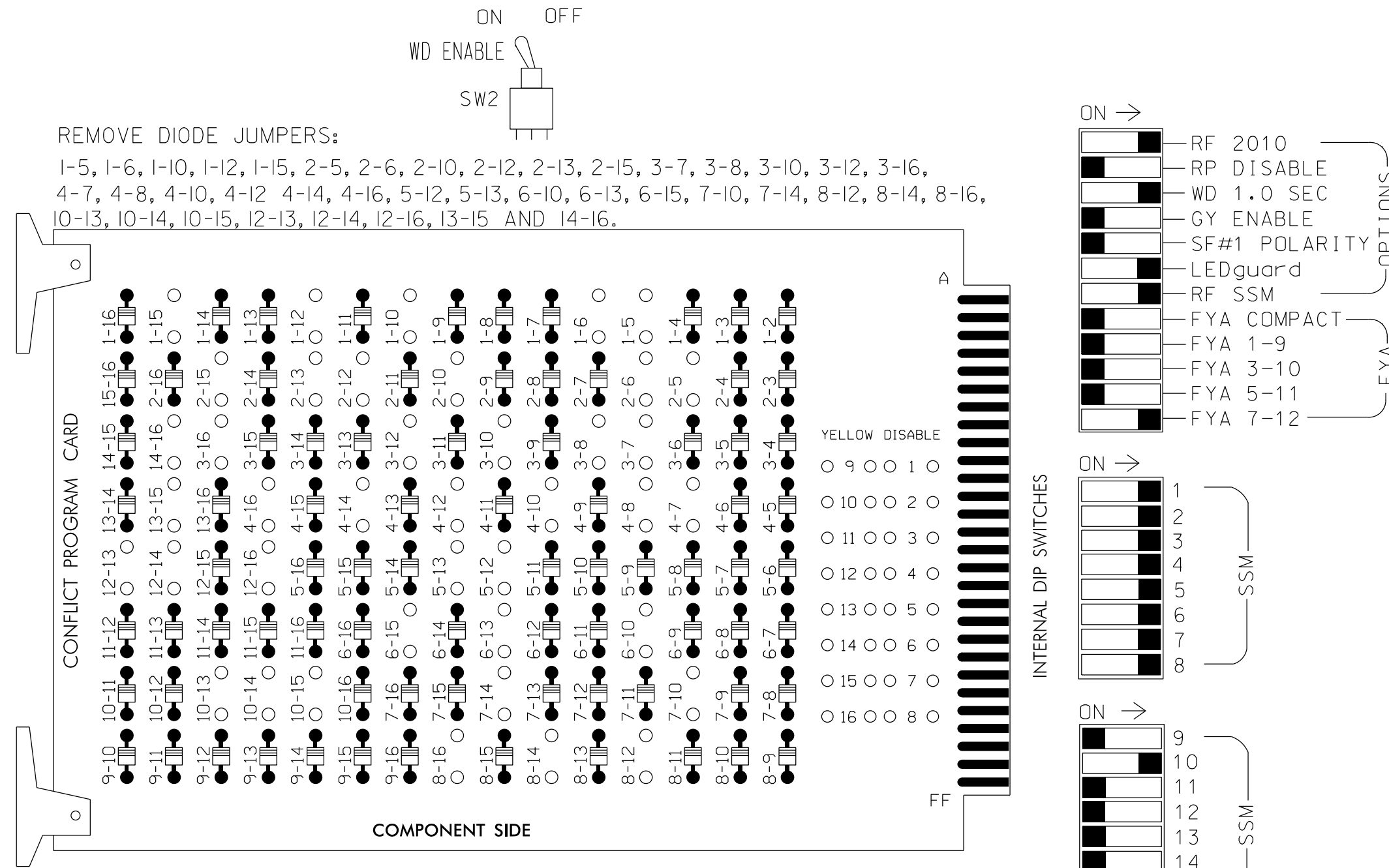


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.

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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 9,11, 12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- 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, 4, 5, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash, and overlap 2 as Wag Overlaps.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINETSAFETRAN 332 (W/ AUX. FILE)
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (W/ AUX. OUTPUT FILE)
 LOAD SWITCHES USED.....S1,S2,S2P,S3,S4,S4P,S5,S6,S6P,S7,S8,S8P,S10,S13
 PHASES USED.....1,2,2PED,3,4,4PED,5,5PED,6,6PED,7,8,8PED
 OVERLAP 'A'NONE
 OVERLAP 'B'6+7
 OVERLAP 'C'NONE
 PED OVERLAP 'A'5+8

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	PED OLA	SPARE
SIGNAL HEAD NO.	11	21,22 23,24	P21, P22	31	41,42 43	P41, P42	51	61,62 63,64	P61, P62	71,72	81,82 83	P81, P82	NU	65,66 67	NU	NU	P51, P52	NU
RED		128		101				134			107							
YELLOW		129		102				135			108							
GREEN		130		103				136			109							
RED ARROW	125			116			131			122				A124				
YELLOW ARROW	126			117			132			123				A125				
FLASHING YELLOW ARROW																		
GREEN ARROW	127			118			133			124				A126				
Hand icon				113			104			119				110				A101
Walking person icon				115			106			121				112				A103

NU = Not Used

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+'

```

PAGE 1: VEHICLE OVERLAP 'B' SETTINGS
PHASE: 12345678910111213141516
VEH OVL PARENTS: XX
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR: - RED - YELLOW - GREEN
FLASH COLORS: - RED - YELLOW - GREEN
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC)...0
YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0
RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)...0
    
```

PRESS '+' TWICE

```

PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
PHASE: 12345678910111213141516
VEH OVL PARENTS:
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR: - RED - YELLOW - GREEN
FLASH COLORS: - RED - YELLOW - GREEN
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)...0
YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0
RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)...0
    
```

NOTE CHANGE FROM TEMPORARY

NOTE TO DISABLE LOGICAL I/O PROCESSOR PROGRAMMING

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND DISABLE ACT LOGIC COMMANDS 1, 2, AND 3 FROM TEMPORARY DESIGN.

OVERLAP PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	*9	10	11	12	13	14
FILE "I"	Ø 1 1A	Ø2/SYS 2A/S2A	Ø2/SYS 2C/S2C	Ø3 3A	Ø4 4A	Ø4 4C	Ø5 5A	Ø6 6A	Ø6 6C	Ø7 7A	Ø8 8A	Ø8 8C	Ø8 8E	FS
FILE "J"	NOT USED	Ø2/SYS 2B/S2B	NOT USED	NOT USED	Ø4 4B	NOT USED	NOT USED	Ø4PED 4D	Ø8PED 8D	ST	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
FILE "J"	Ø5 5A	Ø6/SYS 6A/S6A	Ø6/SYS 6C/S6C	Ø7 7A	Ø8 8A	Ø8 8C	Ø8 8E	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
FILE "J"	NOT USED	Ø6/SYS 6B/S6B	NOT USED	Ø7 7B	Ø8 8B	Ø8 8D	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

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

FS = FLASH SENSE
ST = STOP TIME

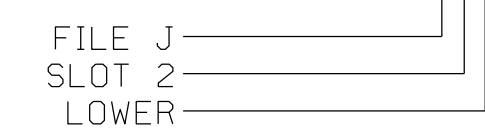
*IMPORTANT: Remove surge protection from TB6-9 and TB6-10, and from TB6-11 and TB6-12.

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			
2A/S2A	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y			
2B/S2B	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
2C/S2C	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4		Y		2.5	
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			3
6A/S6A	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y			
6B/S6B	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
6C/S6C	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			
7B	TB5-7,8	J5L	57	19	7	7	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8		Y		2.5	
8B	TB5-11,12	J6L	46	8	18	8		Y		2.5	
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			
8D	TB7-3,4	J7L	79	41	48	8	Y	Y			
8E	TB7-5,6	J8U	50	12	28	8	Y	Y			15
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P51,P52	TB6-9,10	I9U	60	22	PED 5	5 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



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: 06-0212
 DESIGNED: April 2015
 SEALED: 4-27-2015
 REVISED:



Signal Upgrade - Final ELECTRICAL DETAIL SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		SR 1007 (Owen Drive) at SR 1141 (Cumberland Road)		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER DONALD J. DARTY 1973
Division 6	Cumberland County	Fayetteville		
PLAN DATE: April 2015	REVIEWED BY: J.L. Lewis	38286.03		
PREPARED BY: D.J. Darity	WBH PROJECT NO.:			
REVISIONS	INIT.	DATE		