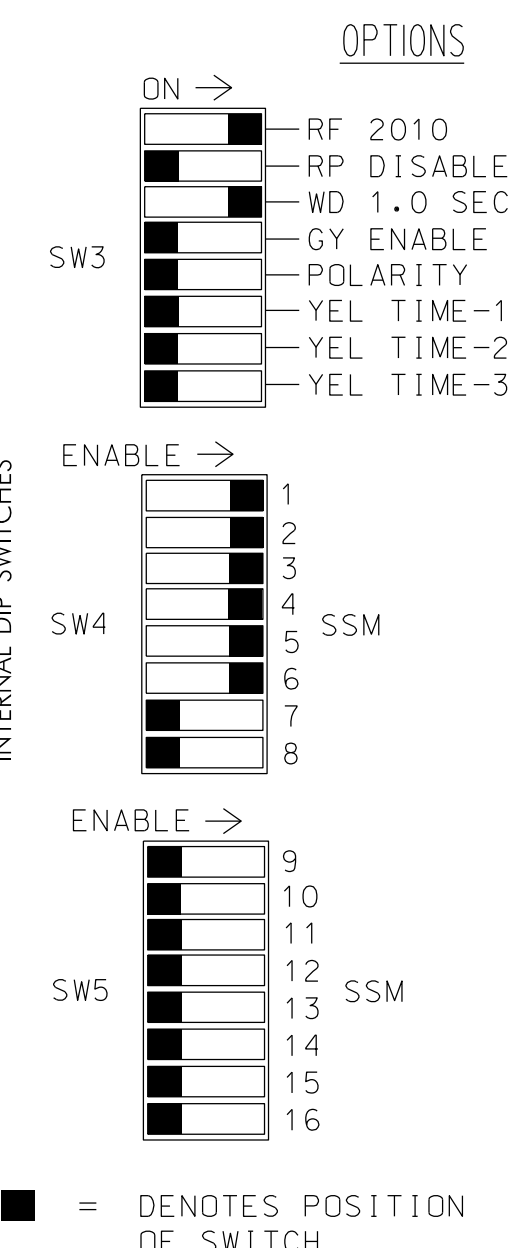
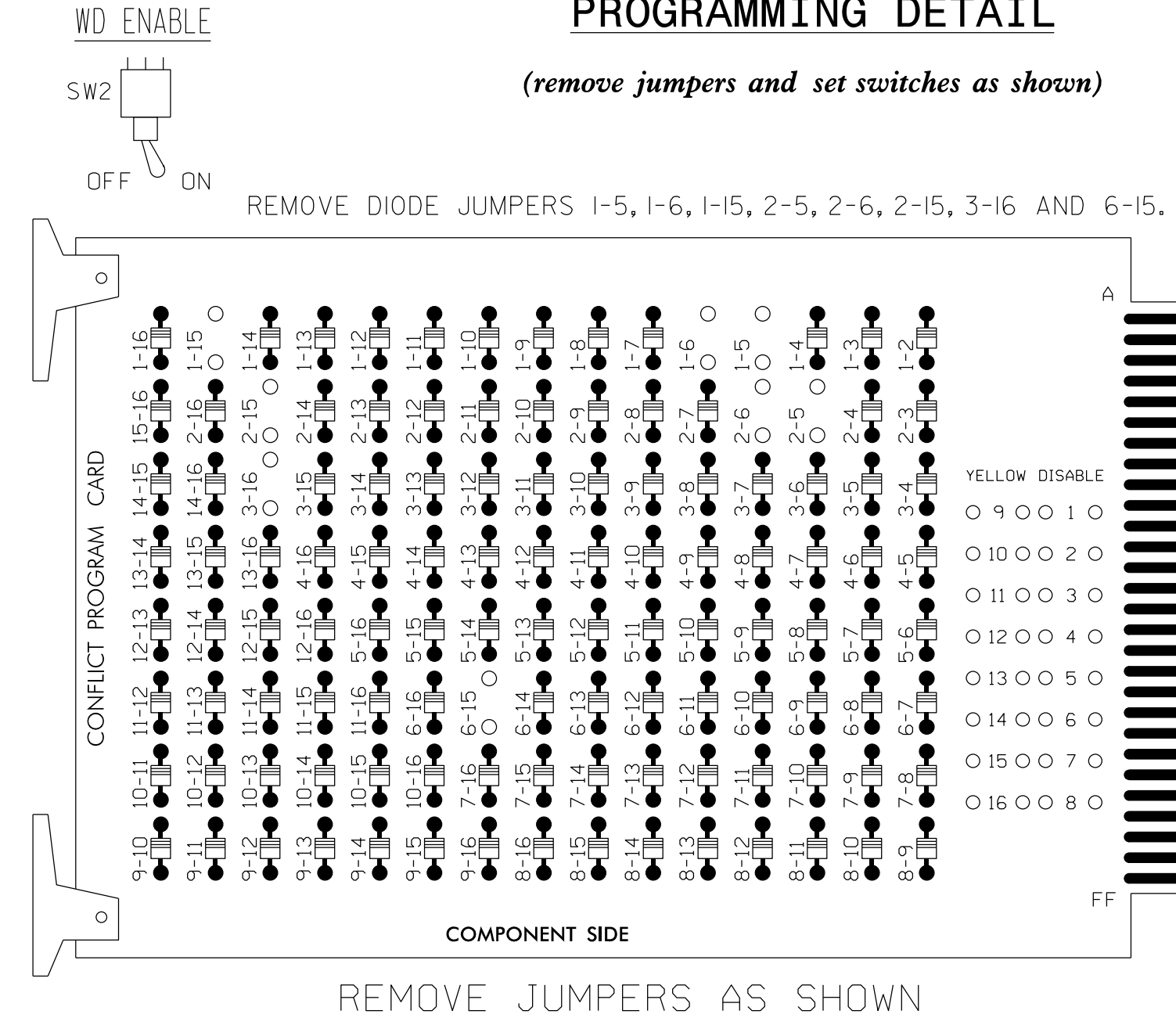


EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL



- 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 7,8,9,10, 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 3 and 6 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET332
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S6P,S8P
 PHASES USED.....1,2,3,3PED,4,5,6,6PED
 OVERLAPS.....NONE

FIELD CONNECTION HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P			
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	3 PED			
SIGNAL HEAD NO.	11,12	21,22	NU	22	31	32	41,42	43,44	NU	51,52	61,62	P61, P62	NU	NU	P31, P32
RED		128		116	116		101		134						
YELLOW		129		117	117		102		135						
GREEN		130		118	118		103		136						
RED ARROW	125						101		131						
YELLOW ARROW	126			117			102		132						
GREEN ARROW	127			118	118		103		133						
													119		110
													121		112

NU = NOT USED

PED 3 PROGRAMMING DETAIL

(program controller as shown below)

CHANGING OUTPUT ASSIGNMENTS

- FROM MAIN MENU SELECT '6' (OUTPUTS), THEN '1' (OUTPUT ASSIGNMENTS)
- ENTER 17 (PHASE 8 DW) FOR OUTPUT ASSIGNMENT #.
- SCROLL DOWN TO 'PEDESTRIAN PHASE' AND ENTER 'Y' REGARDLESS OF DEFAULT PROGRAMMING
- ENTER '3' FOR 'SELECT PEDESTRIAN PHASE'. NO CHANGE NEEDED FOR 'SELECT COLOR' BUTTON ON KEYBOARD.
- BACKUP TO 'OUTPUT ASSIGNMENTS AND SETTINGS MENU:' BY PRESSING THE 'ESC' BUTTON ON KEYBOARD.
- SELECT '1' (OUTPUT ASSIGNMENTS)
- ENTER 18 (PHASE 8 W) FOR OUTPUT ASSIGNMENT #.
- REPEAT STEPS # 3 AND # 4.

CHANGING INPUT ASSIGNMENTS

- FROM MAIN MENU SELECT '7' (DETECTORS), THEN '2' (PEDESTRIAN DETECTOR ASSIGNMENTS)
- CYCLE TO PED DETECTOR #8 BY REPEATEDLY DEPRESSING '+' KEY
- MODIFY PHASE ASSIGNED TO PED DETECTOR # 8 FROM PHASE 8 TO PHASE 3

PROGRAMMING COMPLETE

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: 06-0051
 DESIGNED: April 2015
 SEALED: 4-27-2015
 REVISED:

INPUT FILE POSITION LAYOUT

(front view)

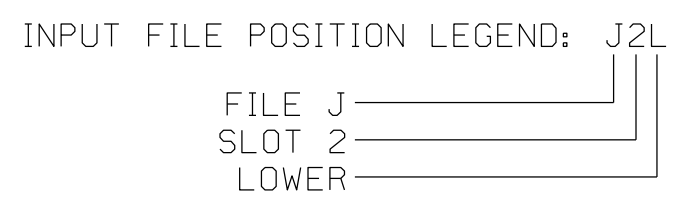
FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	∅ 1	∅ 2/SYS	∅ 3/SYS	S	∅ 3	∅ 3	∅ 4/SYS	∅ 4	∅ 4	S	S	∅ 6PED	FS	
		1A	2A/S2A	3A/S3A	T-O-F	3E	3C	4A/S4A	4E	4C	T-O-F	T-O-F	T-O-F	DC ISOLATOR	DC ISOLATOR
FILE "J"	U	∅ 1	∅ 2/SYS	∅ 3/SYS	Y	∅ 3	∅ 3	∅ 4/SYS	∅ 4	∅ 4	Y	Y	∅ 3PED	ST	
		1B	2B/S2B	3B/S3B	Y	3F	3D	4B/S4B	4F	4D	Y	Y	DC ISOLATOR	DC ISOLATOR	
FILE "J"	U	∅ 5	∅ 6/SYS	S	S	S	S	S	S	S	S	S	S	S	S
		5A	6A/S6A	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F	T-O-F
FILE "J"	U	∅ 5	∅ 6/SYS	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		5B	6B/S6B	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

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			
1B	TB2-3,4	I1L	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,2D	TB2-9,10	I3U	63	25	32	2			DISCONNECT & ABANDON		
3A/S3A	TB2-9,10	I3U	63	25	32	3/SYS		Y		2.4	
3B/S3B	TB2-11,12	I3L	76	38	42	3/SYS		Y		2.4	
3C	TB4-9,10	I6U	41	3	4	3	Y	Y			3
3D	TB4-11,12	I6L	45	7	14	3	Y	Y			
3E	TB4-5,6	I5U	58	20	3	3	Y	Y			10
3F	TB4-7,8	I5L	58	20	3	3	Y	Y			10
4A/S4A	TB6-1,2	I7U	65	27	34	4/SYS		Y		2.4	
4B/S4B	TB6-3,4	I7L	78	40	44	4/SYS		Y		2.4	
4E	TB6-5,6	I8U	49	11	24	4	Y	Y			
4F	TB6-7,8	I8L	49	11	24	4	Y	Y			
4C	TB6-9,10	I9U	60	22	11	4	Y	Y			
4D	TB6-11,12	I9L	62	24	13	4	Y	Y			
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
5B	TB3-3,4	J1L	55	17	5	5	Y	Y			
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,6D	TB3-9,10	J3U	64	26	36	6			DISCONNECT & ABANDON		
PED PUSH BUTTONS											
P31,P32	TB8-8,9	I13L	70	32		PED 8		3 PED			
P61,P62	TB8-7,9	I13U	68	30		PED 6		6 PED			

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOT I13.



*****SYTIME*****
 *****RDONS*****
 *****USERNAME*****



Signal Upgrade
 ELECTRICAL AND PROGRAMMING DETAILS FOR:
 Prepared for the Offices of:

 750 N. Greenfield Parkway, Garner, NC 27529

US 301/I-95 Business (Gillespie Street) at SR 1007 (Owen Drive)
 Division 5 Cumberland County Fayetteville
 PLAN DATE: April 2015 REVIEWED BY: J.L. Lewis
 PREPARED BY: D.J. Darity VHB PROJECT NO.: 38286.03
 REVISIONS INIT. DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 19713
 DONALD J. DARITY