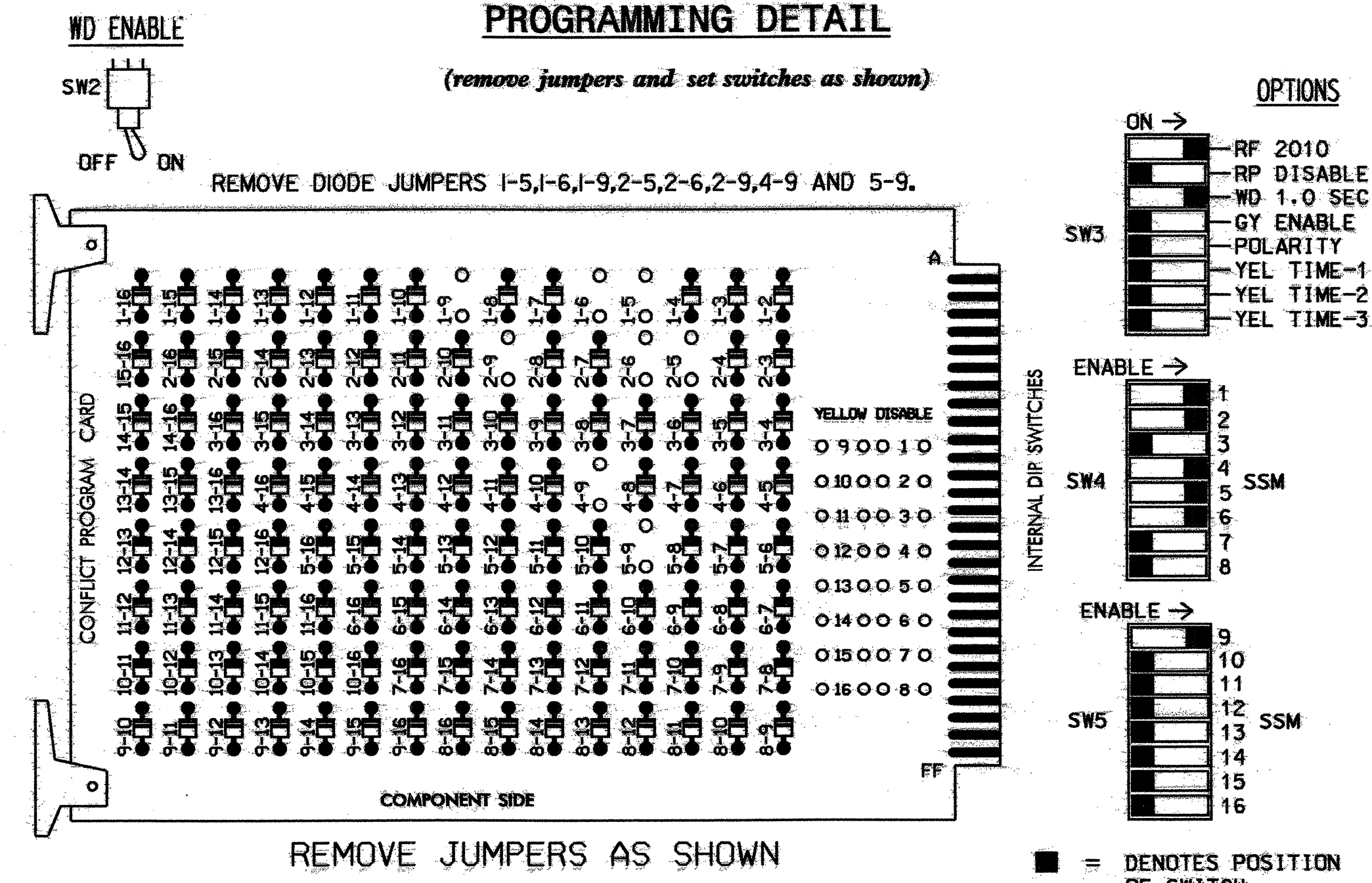


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL1-SEL5 are present on the monitor board.

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. 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 3,7, 8,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program controller to start up in phases 2 and 6 green.
4. Enable Simultaneous Gap-Out, on the controller unit, for all phases.
5. The cabinet and controller are part of the Gastonia City System.

EQUIPMENT INFORMATION

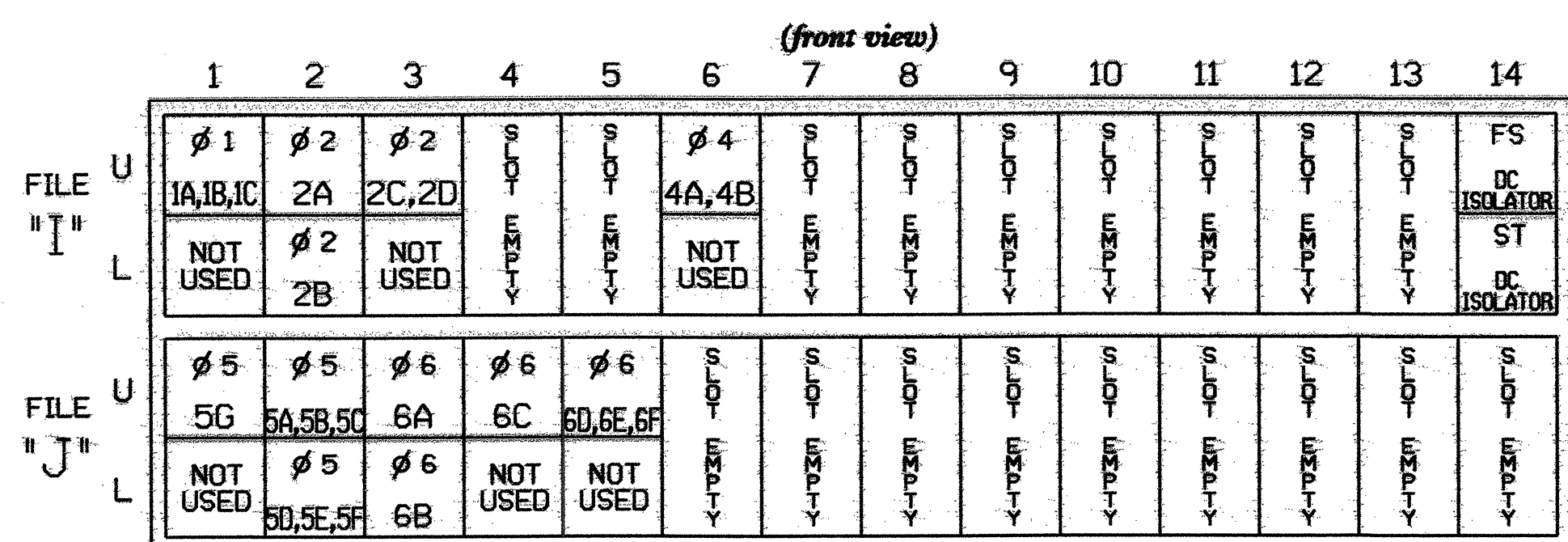
CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINET.....CONTRACTOR SUPPLIED 332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS..18 (12-STD, 6-AUX)
 LOAD SWITCHES USED.....S1,S2,S4,S5,S6,S9
 PHASES USED.....1,2,4,5,6
 OVERLAP A:.....4+5

FIELD CONNECTION 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	OLD	SPARE	
SIGNAL HEAD NO.	11	21,22	NU	NU	41,42	NU	51,52	61,62	NU	NU	NU	NU	**43	NU	NU	NU	NU	NU	
GREEN		130						136											
YELLOW		129						135											
RED		128						134											
RED ARROW	125				101		131											A121	
YELLOW ARROW	126				102		132												A122
GREEN ARROW	127				103		133												A123

NU = Not Used
 **Wire Overlap A to flash on Flasher #2, Circuit #2.

INPUT FILE POSITION LAYOUT



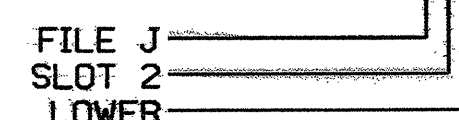
EX.: 1A, 2A, ETC. = LOOP NO.'S

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,1B,1C	TB2-1,2	I1U	56	18	1	1	Y	Y			
2A	TB2-5,6	I2U	39	1	2	2	Y	Y		2	
2B	TB2-7,8	I2L	43	5	12	2	Y	Y		2	
2C,2D	TB2-9,10	I3U	63	25	32	2	Y	Y			
4A,4B	TB4-9,10	I6U	41	3	4	4	Y	Y			
5G	TB3-1,2	J1U	55	17	5	5	Y	Y			15
5A,5B,5C	TB3-5,6	J2U	40	2	6	5	Y	Y			
5D,5E,5F	TB3-7,8	J2L	44	6	16	5	Y	Y			
6A	TB3-9,10	J3U	64	26	36	6	Y	Y		2	
6B	TB3-11,12	J3L	77	39	46	6	Y	Y		2	
6C	TB5-1,2	J4U	48	10	26	6	Y	Y		2	
6D,6E,6F	TB5-5,6	J5U	57	19	7	6	Y	Y			

INPUT FILE POSITION LEGEND: J2L



OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press '8' (Overlaps), then '1' (Vehicle Overlap Settings).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS
 PHASE: 12345678910111213141516
 VEH OVL PARENTS: XX
 VEH OVL NOT VEH: X
 VEH OVL NOT PED: X
 VEH OVL GRN EXT: X
 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

OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 12-1401
 DESIGNED: February 2005
 SEALED: 02-18-05
 REVISED: NA

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Office of:
 GASTONIA CITY ENGINEERING DEPARTMENT
 122 N. McDowell St., Raleigh, NC 27603

US 29-74 (Franklin Boulevard)
 at
 Franklin Square II

Division 12 Gaston County Gastonia
 PLAN DATE: February 2005 REVIEWED BY: T. Joyce
 PREPARED BY: James Peterson REVIEWED BY: JLP

REVISIONS: INIT. DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 008463
 JOHN T. ROWE, JR.
 SIGNATURE: John T. Rowe, Jr. DATE: 5-17-05
 SIG. INVENTORY NO. 12-1401