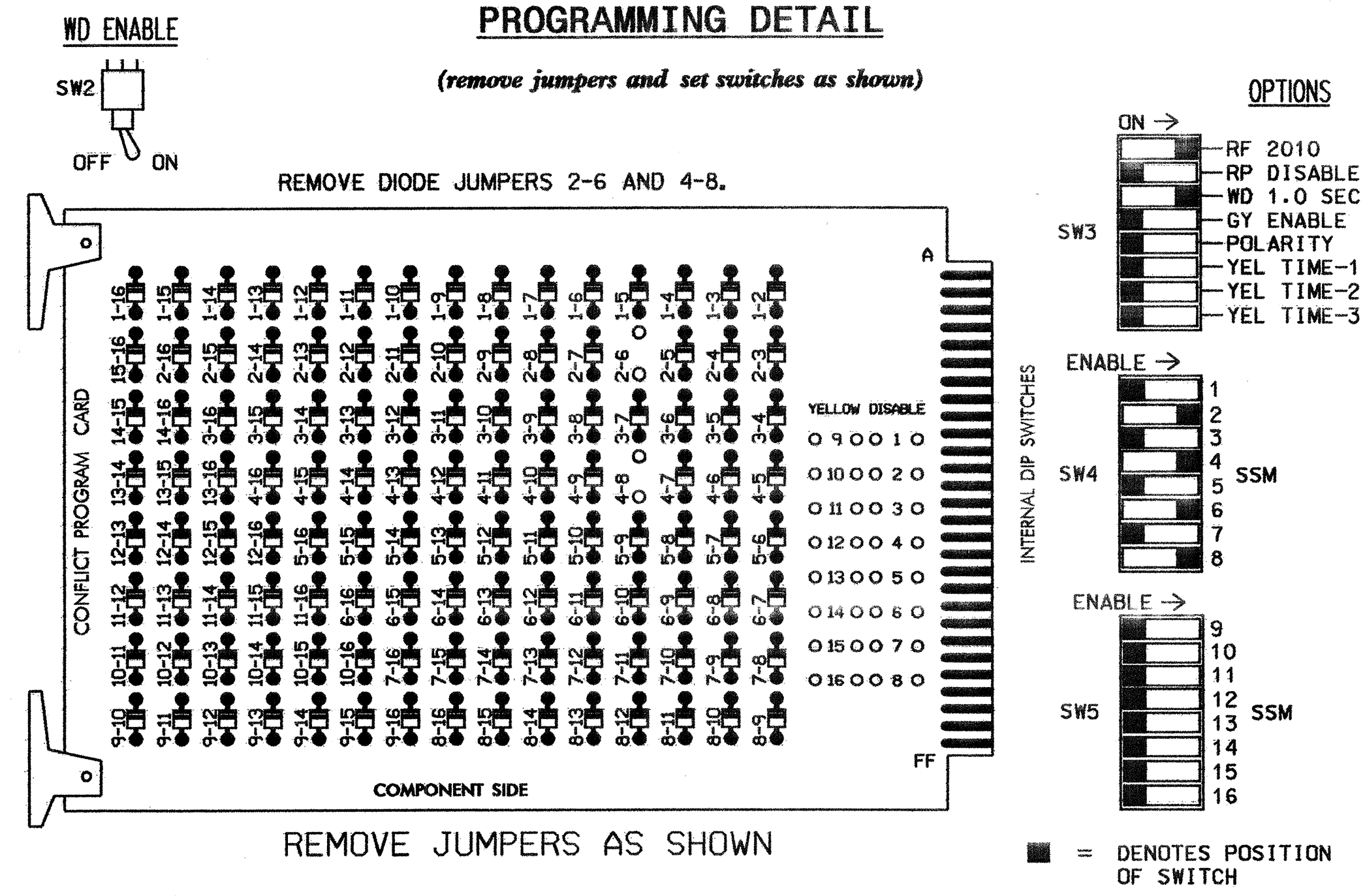


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**



- REMOVE DIODE JUMPERS 2-6 AND 4-8.
- REMOVE JUMPERS 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 SEL1-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 1,3,5, 7,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phases 2 and 6 green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- The cabinet and controller are part of the Gastonia City System.

**EQUIPMENT INFORMATION**

CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET.....CONTRACTOR SUPPLIED 332  
 SOFTWARE.....ECONOLITE OASIS 3.00.92  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S4,S6,S8  
 PHASES USED.....2,4,6,8,9\*  
 OVERLAPS.....NONE

\*Used during Preempt only

**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	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	NU
GREEN		130			103			136			109	
YELLOW		129			102			135			108	
RED		128			101			134			107	
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

**INPUT FILE POSITION LAYOUT**

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE U	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
FILE L	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
FILE U	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1	PRE1
FILE L	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR	AC ISOLATOR
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	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  
 PRE = PREEMPT

**PREEMPT ONLY PHASE OMIT NOTE**

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program Phase 9 for 'Omit Phase' and Phases 2, 4, 6 and 8 for 'Startup Calls'. This is to prevent phase 9 from being served when not in Preempt.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0102  
 DESIGNED: January 2005  
 SEALED: 1/28/05  
 REVISED:

**PHASE SEQUENCE PROGRAMMING DETAIL**

(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU  
 SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1	NEXT: PAGES								
RNG:LEAD	BARRIER 1	X-LAG:LEAD	BARRIER 2	X-LAG:LEAD	BARRIER 2	X-LAG			
1 :0	2 0	0	4 0	0	0	19	0	0	0
2 :0	6 0	0	0	0	0	0	0	0	0
3 :0	0 0	0	0	0	0	0	0	0	0
4 :0	0 0	0	0	0	0	0	0	0	0

Signal Upgrade - Sheet 1 of 2

Electrical and Programming Details For:

**Broad Street at Second Avenue**

Division 12 Gaston County Gastonia

PLAN DATE: January 2005 REVIEWED BY: *R. Joga*

PREPARED BY: William Hairston REVIEWED BY: *W. Hairston*

REVISIONS: \_\_\_\_\_ INIT. DATE

222 N. McDowell St., Raleigh, NC 27603

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN

Signature: *George C. Brown* 2/4/05 DATE

SIG. INVENTORY NO. 12-0102