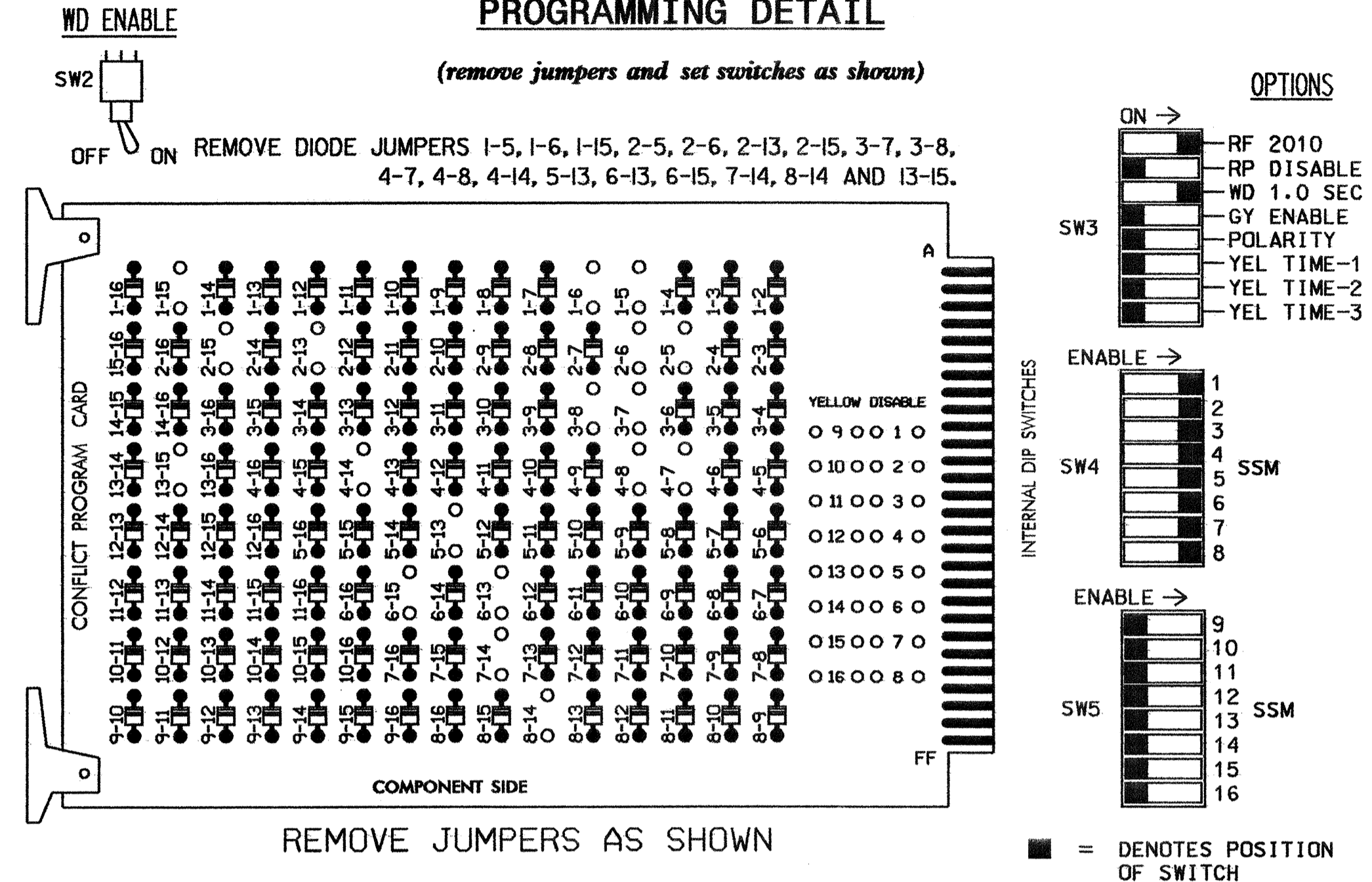


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**



**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 9,10, 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 FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
5. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR SOFT RECALL.
6. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR DUAL ENTRY.
7. PROGRAM PHASES 2, 4 AND 6 FOR 'STARTUP PED CALL'.
8. THE CABINET AND CONTROLLER ARE PART OF THE GASTONIA CITY SYSTEM.

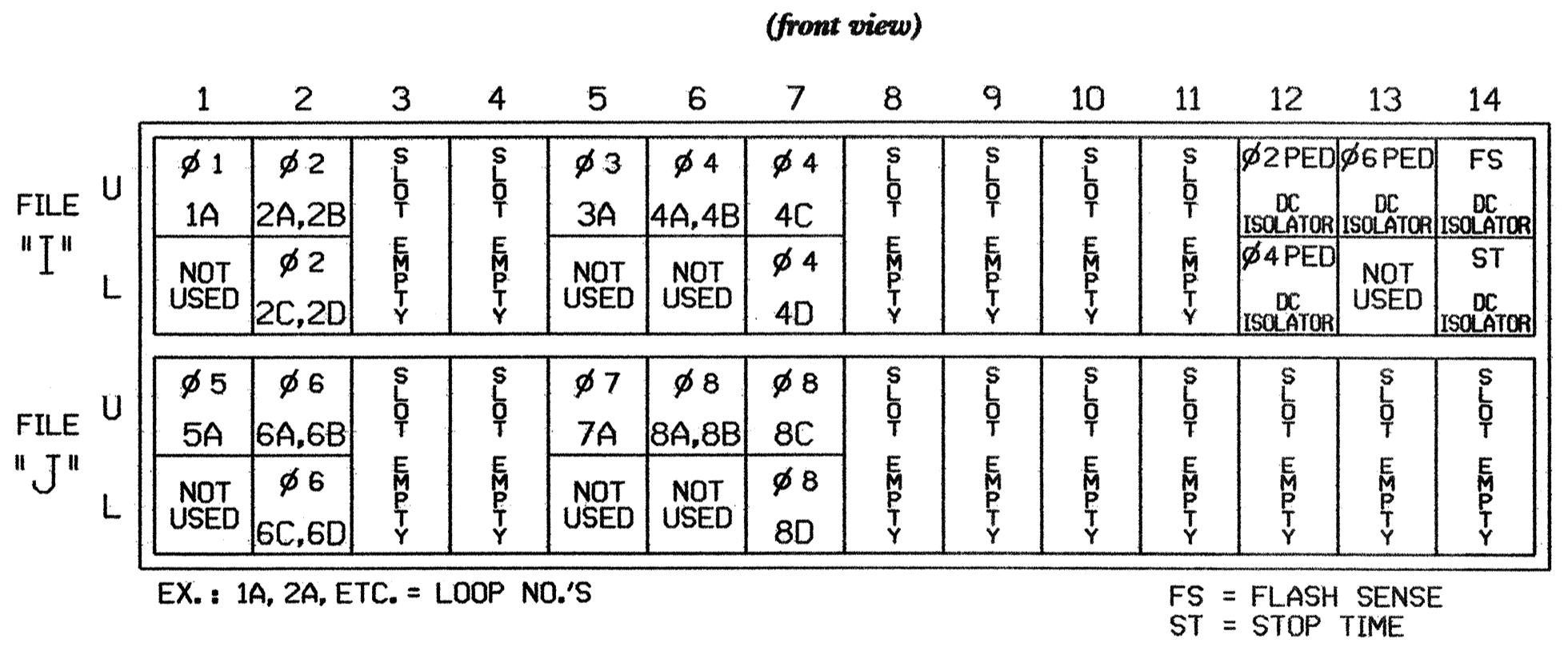
**FIELD CONNECTION HOOK-UP CHART**

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.	11	21,22	P21, P22	31	41,42	P41, P42	51	61,62	P61, P62	71	81,82	NU
GREEN		130			103			136			109	
YELLOW		129			102			135			108	
RED		128			101			134			107	
RED ARROW	125				116			131			122	
YELLOW ARROW	126				117			132			123	
GREEN ARROW	127				118			133			124	
PEDESTRIAN			115			106				121		
BIKE			113			104				119		

**EQUIPMENT INFORMATION**

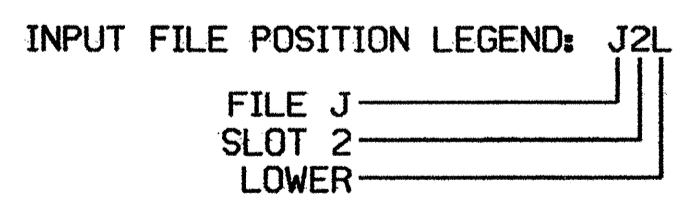
CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET .....CONTRACTOR SUPPLIED 332  
 SOFTWARE .....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S2P,S3,S4,S4P,S5,S6,S6P,S7,S8  
 PHASES USED.....1,2,3,4,5,6,7,8,2 PED,4 PED,6 PED  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**



**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			3
2A,2B	TB2-5,6	I2U	39	1	2	2	Y	Y		1.8	
2C,2D	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			3
4A,4B	TB4-9,10	I6U	41	3	4	4	Y	Y		4	
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			
4D	TB6-3,4	I7L	78	40	44	4	Y	Y			10
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			3
6A,6B	TB3-5,6	J2U	40	2	6	6	Y	Y		1.8	
6C,6D	TB3-7,8	J2L	44	6	16	6	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			3
8A,8B	TB5-9,10	J6U	42	4	8	8	Y	Y		4	
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			
8D	TB7-3,4	J7L	79	41	48	8	Y	Y			10
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					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					



NOTE:  
INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0053  
 DESIGNED: NOVEMBER 2004  
 SEALED: 1/3/05  
 REVISED:

**SIGNAL UPGRADE**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Office of:  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 Signal Management Section  
 122 N. McDowell St., Raleigh, NC 27603

**NC 279 (NEW HOPE ROAD) AT NC 7 (OZARK AVENUE)**

DIVISION 12 GASTON COUNTY GASTONIA

PLAN DATE: DECEMBER 2004 REVIEWED BY: T. Jones  
 PREPARED BY: WILLIAM HAIRSTON REVIEWED BY:

REVISIONS: INIT. DATE

Signature: *William C. Brown* 2/25/05  
 SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN

SIG. INVENTORY NO. 12-0053

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