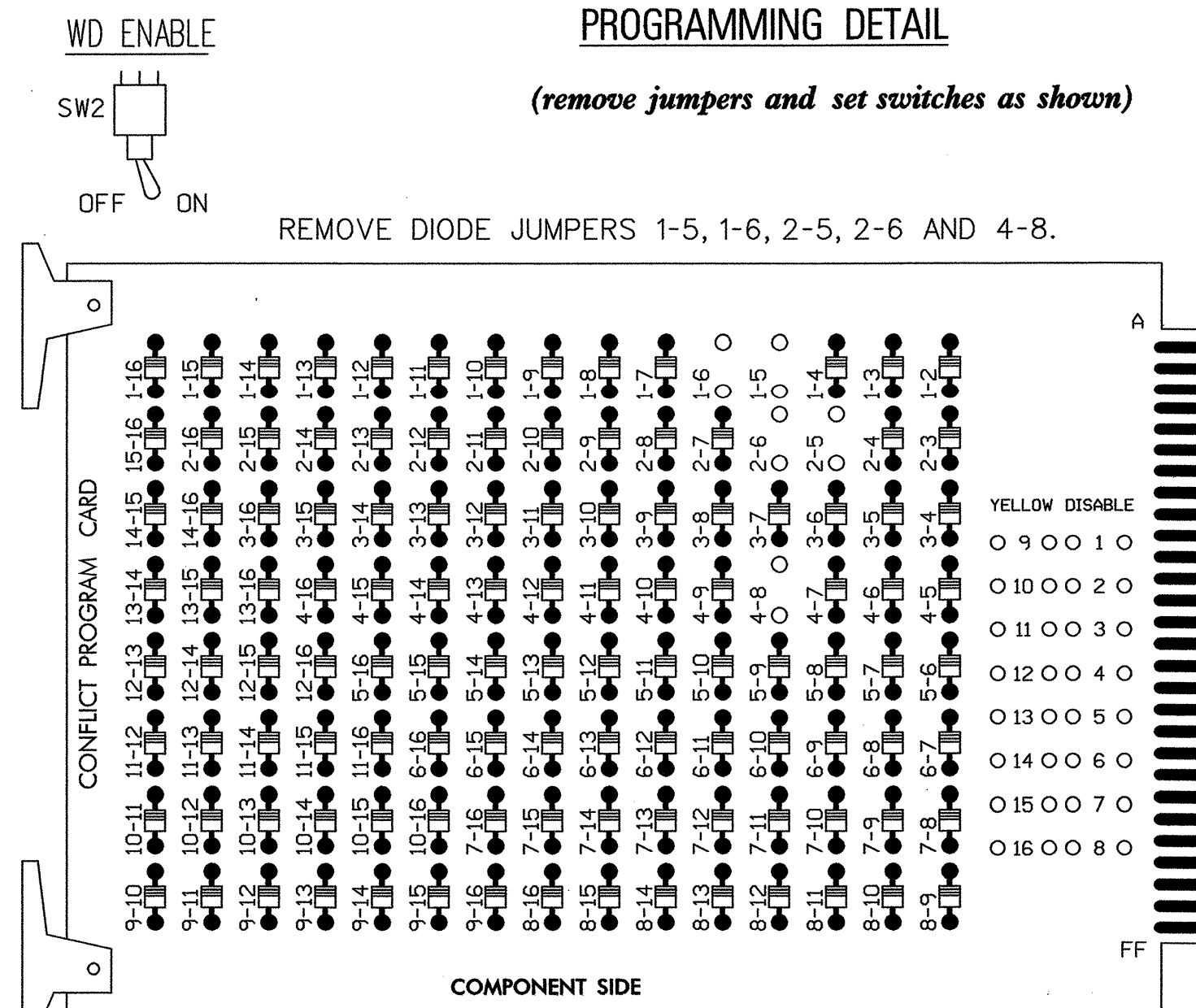


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL

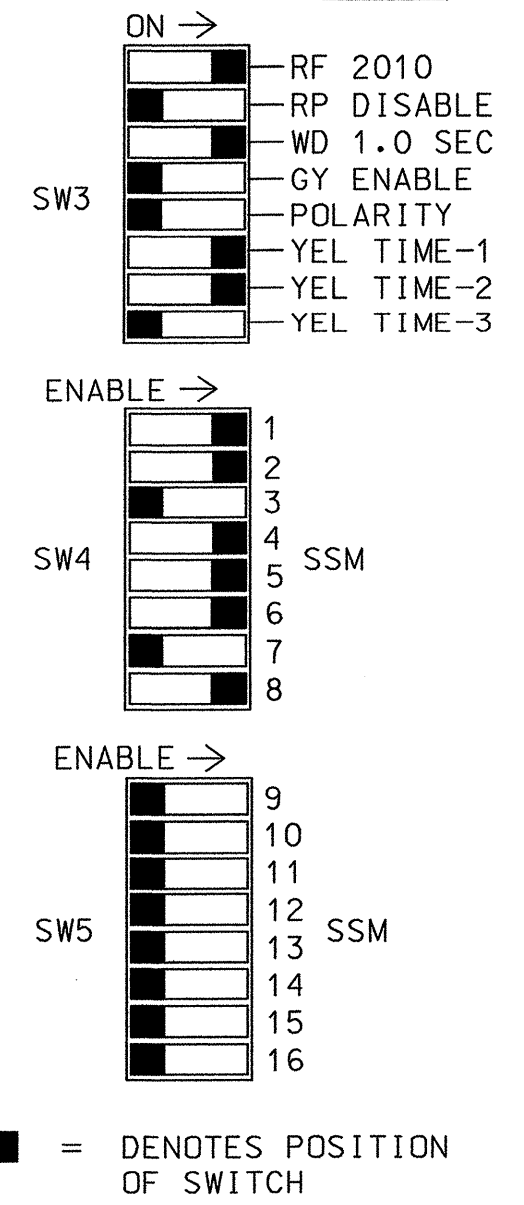


(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6 AND 4-8.

REMOVE JUMPERS AS SHOWN

OPTIONS



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.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	S T O P T I M E	∅ 1 1A	∅2/SYS 2A/S13	S T O P T I M E	S T O P T I M E	∅ 4 4A	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	FS DC ISOLATOR
FILE "J"		∅ 1 1B	∅2/SYS 2B/S14	S T O P T I M E	S T O P T I M E	NOT USED	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	ST DC ISOLATOR
		∅ 5 5A	NOT USED	∅6/SYS 6A/S15	S T O P T I M E	S T O P T I M E	∅ 8 8A	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E
		NOT USED	∅ 5 5C	∅6/SYS 6B/S16	S T O P T I M E	S T O P T I M E	NOT USED	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E

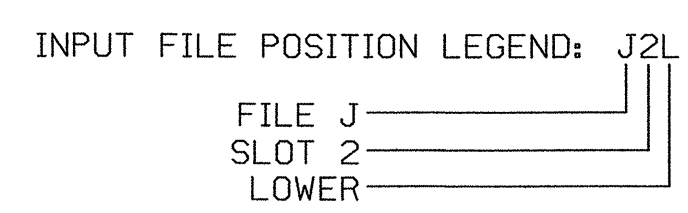
EX. : 1A, 2A, ETC. = LOOP NO.'S

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	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	---
1B	TB2-7,8	I2L	43	5	12	1	Y	Y	-	---	15
X 2A/S13	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y	-	---	---
X 2B/S14	TB2-11,12	I3L	76	38	42	2/SYS	Y	Y	-	---	---
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	3
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	-	---	---
5C	TB3-7,8	J2L	44	6	16	5	Y	Y	-	---	15
X 6A/S15	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y	-	---	---
X 6B/S16	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y	-	---	---
8A	TB5-9,10	J6U	42	4	8	8	Y	Y	-	---	---

X SYSTEM DETECTOR



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 3,7,9,10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DUAL ENTRY.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0952

EQUIPMENT INFORMATION

CONTROLLER.....EXISTING 2070L CONTROLLER
 CABINETEXISTING 332 CABINET
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S4,S5,S6,S8
 PHASES USED.....1,2,4,5,6,8
 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	8 PED
SIGNAL HEAD NO.	11	82	21,22	NU	41,42	NU	42	51,52	61,62	NU	81,82	NU
GREEN			130		103				136		109	
YELLOW			129		102				135		108	
RED			128		101				134		107	
RED ARROW	125							131				
YELLOW ARROW	126	126						132	132			
GREEN ARROW	127	127						133	133			
⚠												
👤												

NU = NOT USED

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0952T2
 DESIGNED: SEPTEMBER 2003
 SEALED: 1/7/2004
 REVISED: TBD

SIGNAL UPGRADE TEMPORARY DESIGN 2 CONSTRUCTION PHASE II

ELECTRICAL AND PROGRAMMING DETAILS FOR: SR 1409 (MILITARY CUTOFF ROAD) AT RENAISSANCE PARK ENTRANCE AND DESTINY WAY (ACCESS "D")

Prepared for the Offices of: THE UNIVERSITY OF NORTH CAROLINA STATE DEPARTMENT OF TRANSPORTATION & TRAFFIC MANAGEMENT DIVISION

PLAN DATE: NOVEMBER 2003 REVIEWED BY: J O DEATON
 PREPARED BY: M W YALCH REVIEWED BY: J O DEATON

REVISIONS: _____ INIT. DATE: _____

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 07438 ENGINEER JAMES O. DEATON

SIGNATURE: James O. Deaton 1/14/04 DATE: _____

SIG. INVENTORY NO. 03-0952T2