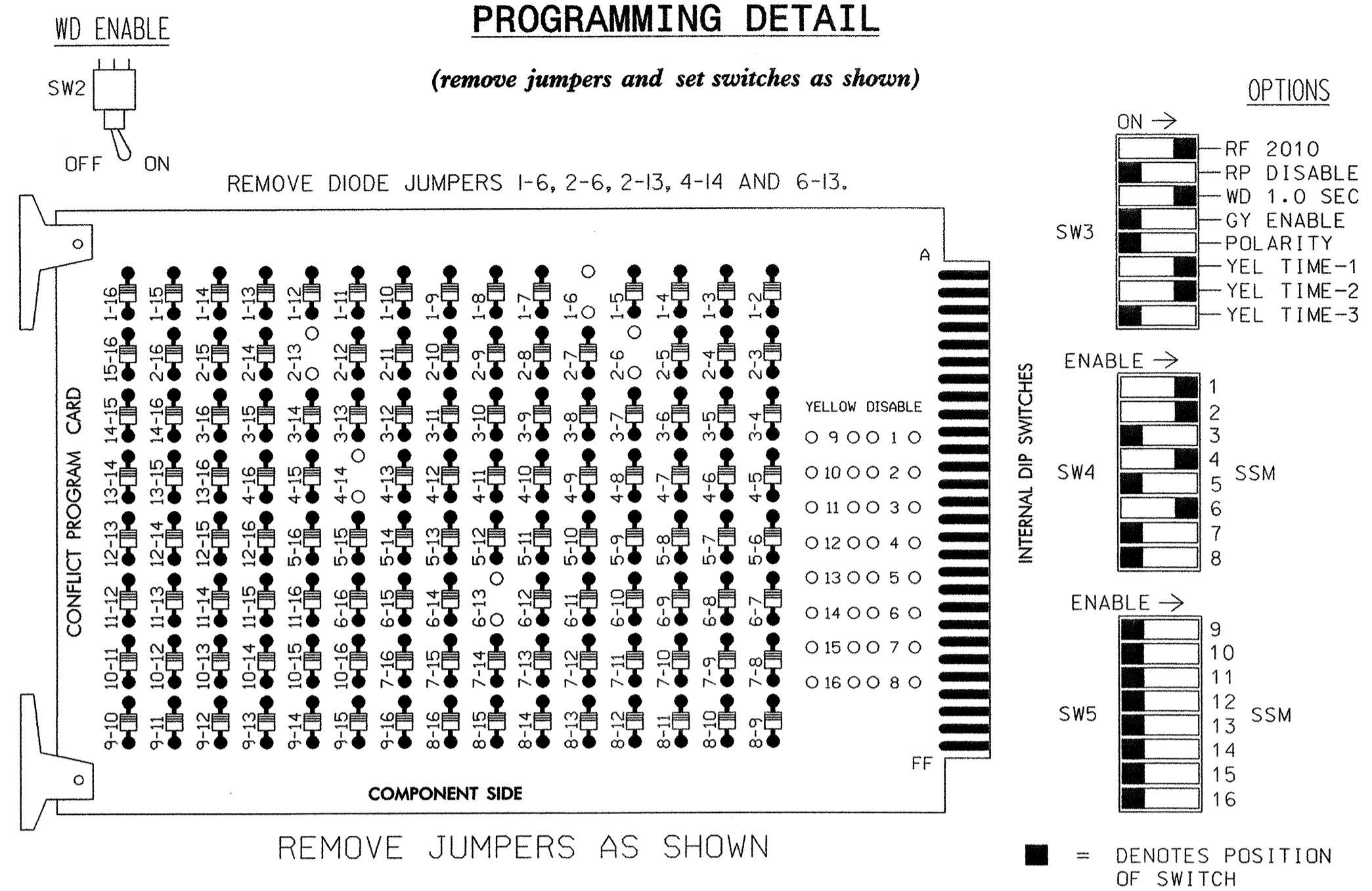


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches 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.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅1 1A	∅2 2A	∅3 NOT USED	∅4 4A	∅4 4C	∅4 4B	∅5 NOT USED	∅6 NOT USED	∅7 NOT USED	∅8 NOT USED	∅9 NOT USED	∅10 NOT USED	∅11 NOT USED	∅12 NOT USED
L	1A	NOT USED	NOT USED	4B	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
FILE "J"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅6 6A	∅6 6B	∅7 NOT USED	∅8 NOT USED	∅9 NOT USED	∅10 NOT USED	∅11 NOT USED	∅12 NOT USED	∅13 NOT USED	∅14 NOT USED	∅15 NOT USED	∅16 NOT USED	∅17 NOT USED	∅18 NOT USED
L	6A	6B	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

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 ¹	TB2-5,6	I2U	39	1	2	1	Y	Y	-	---	15
	TB2-7,8	I2L	43	5	12	6	Y	Y	-	---	--
2A	TB2-9,10	I3U	63	25	32	2	Y	Y	-	---	--
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	--
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	-	---	--
4C	TB6-1,2	I7U	65	27	34	4	Y	Y	Y	---	20
6A	TB3-5,6	J2U	40	2	6	6	Y	Y	-	---	--
6B	TB3-7,8	J2L	44	6	16	6	Y	Y	-	---	--
* S17	TB7-1,2	J7U	66	28	38	SYS	-	-	-	---	--
* S18	TB7-3,4	J7L	79	41	48	SYS	-	-	-	---	--
* S19	TB7-5,6	J8U	50	12	28	SYS	-	-	-	---	--
NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT II2.											
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				

¹ DENOTES ADD JUMPERS FOR LOOP 1A FROM TB2-5 TO TB2-7, AND FROM TB2-6 TO TB2-8. INPUT FILE POSITION LEGEND: J2L

* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

FILE J
SLOT 2
LOWER

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 3,5,7,8,9,10,11,12,13,14,15 & 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.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF THE MERRIMON AVE CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0970
- PROGRAM PHASES 2 AND 4 FOR 'START-UP PED CALL'.

PHASE SEQUENCE PROGRAMMING DETAIL

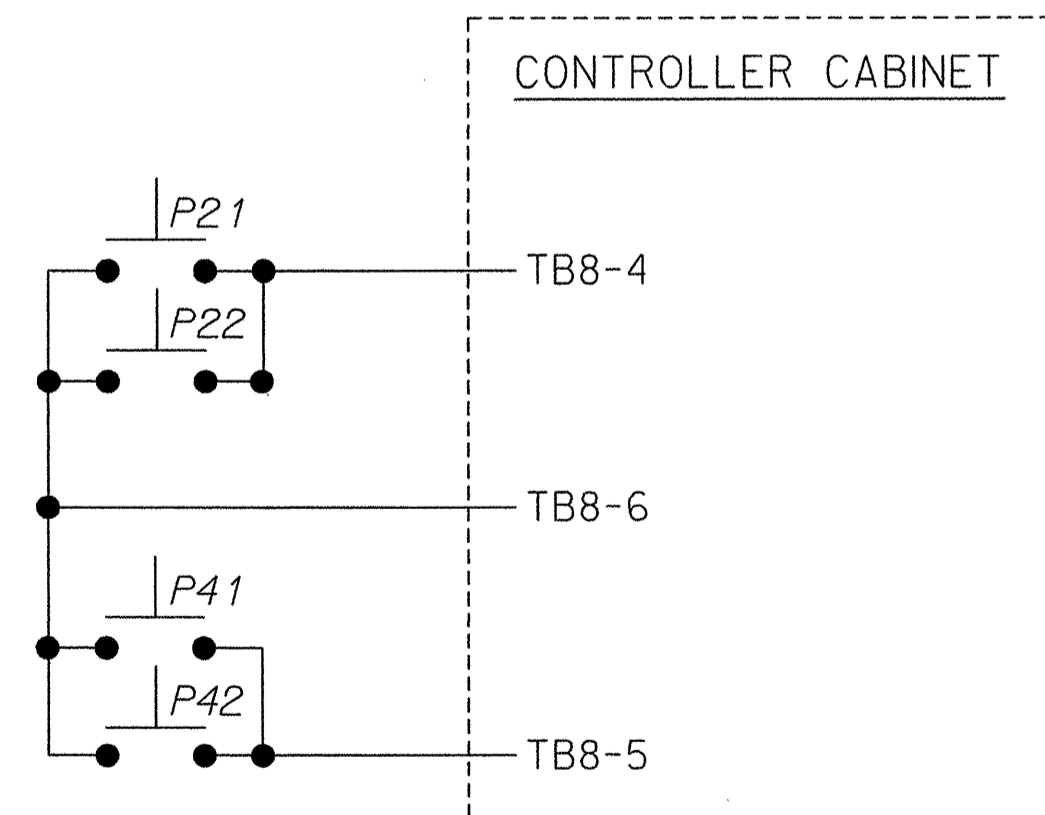
(program controller as shown below)

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
1	0	2	0	1	0	4
2	0	6	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



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.	61	21,22	P21, P22	NU	41,42	P41, P42	NU	61,62	NU	NU	NU	NU
GREEN		130						136				
YELLOW		129						135				
RED	*	128						134				
RED ARROW					101							
YELLOW ARROW	126				102							
GREEN ARROW	127				103							
↑			115			106						
↓			113			104						

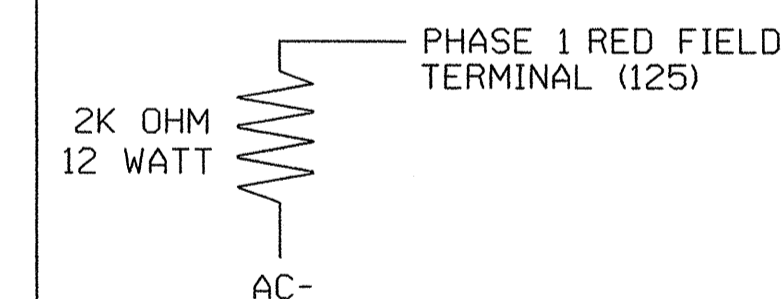
NU = NOT USED

* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S2P,S4,S4P,S6
 PHASES USED.....1,2,2PED,4,4PED,6
 OVERLAPS.....NONE

LOAD RESISTOR INSTALLATION DETAIL



NOTE: THE PURPOSE OF THESE RESISTORS IS TO LOAD THE CHANNEL RED MONITOR INPUTS IN ORDER FOR THE SIGNAL SEQUENCE MONITOR TO USE THE FULL SIGNAL SEQUENCE MONITORING CAPABILITY ON CHANNELS THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0970
 DESIGNED: APRIL 2004
 SEALED: 12/17/04
 REVISED: TBD

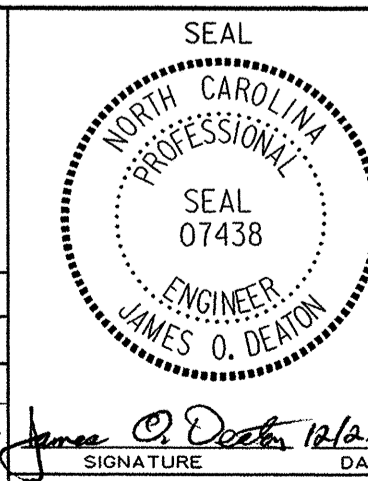
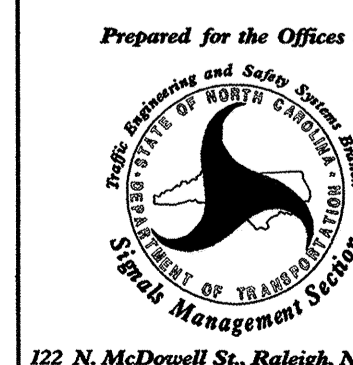
NEW INSTALLATION

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 25 (MERRIMON AVENUE)
 AT
 I-240 EB RAMPS

DIVISION 13 BUNCOMBE COUNTY ASHEVILLE
 PLAN DATE: APRIL 2004 REVIEWED BY: J O DEATON
 PREPARED BY: M W YALCH REVIEWED BY:

REVISIONS	INIT.	DATE



PLANS PREPARED BY :

Mattern & Craig
 CONSULTING ENGINEERS • SURVEYORS
 12 BROAD STREET
 ASHEVILLE, NORTH CAROLINA 28801
 (828) 254-2201
 FAX (828) 254-4562

122 N. McDowell St., Raleigh, NC 27603

SIG. INVENTORY NO. 13-0970