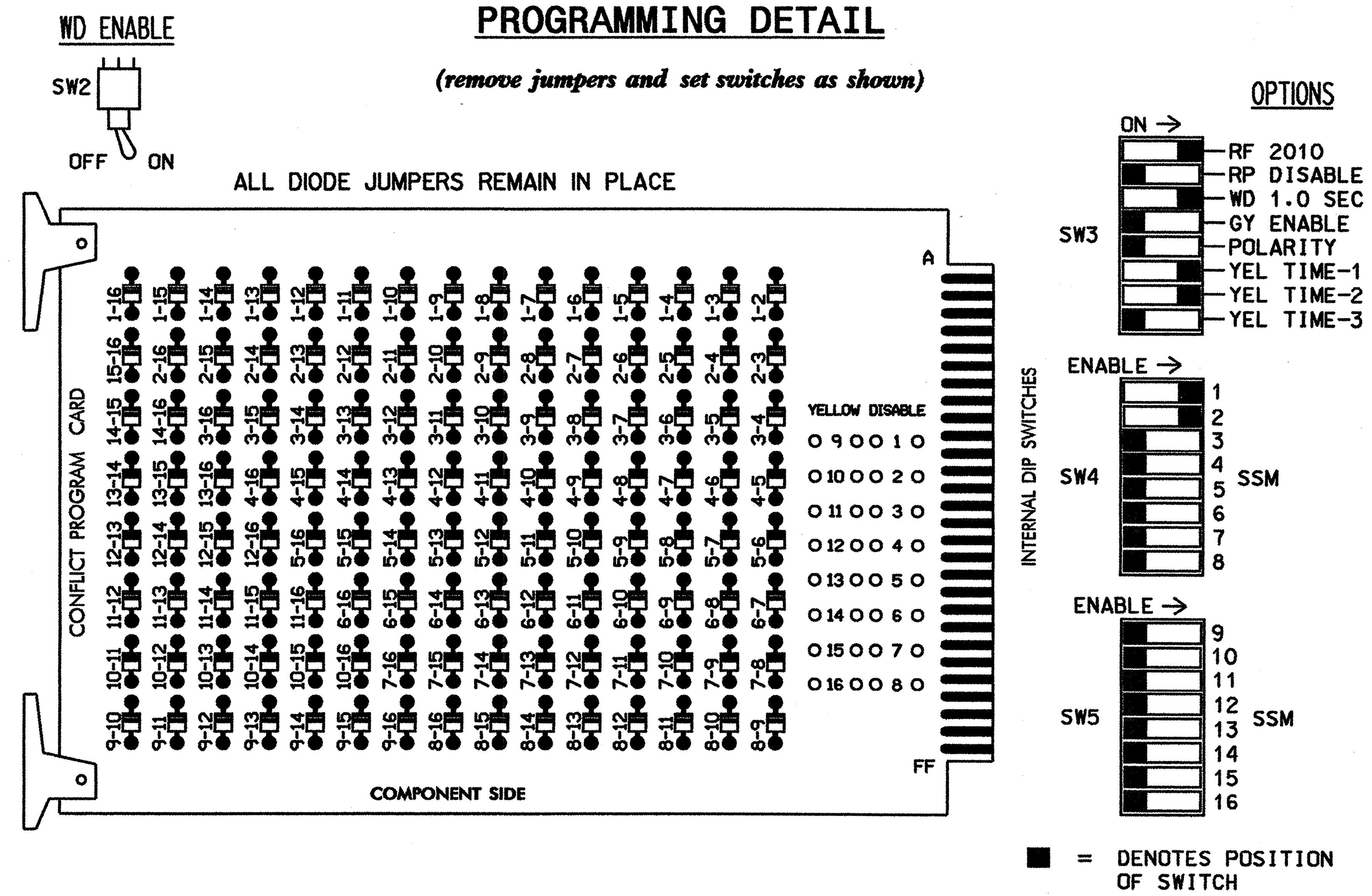
EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	ø 1 1A	ø 2 2A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	FS DC ISOLATOR
L	NOT USED	NOT USED												ST DC ISOLATOR

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	TB21-1,2	I1U	56	18	1	1	Y	Y			
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			

INPUT FILE POSITION LEGEND: I2L
FILE I
SLOT 2
LOWER

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 3,4,5,6,7,8,9,10,11,12,13,14, 15 & 16 TO LOAD SWITCH AC+ PER CABINET MANUFACTURER'S INSTRUCTIONS.
3. PROGRAM CONTROLLER TO START UP IN PHASE 1 RED CLEARANCE. (SEE PROGRAMMING NOTE THIS SHEET.)
4. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
5. SET ALL DETECTOR CARD UNITS TO 'PRESENCE' MODE.
6. PROGRAM CONTROLLER TO REST IN RED WHEN NO VEHICLE CALLS ARE PRESENT. (SEE PROGRAMMING NOTE THIS SHEET.)

EQUIPMENT INFORMATION

CONTROLLER..............CONTRACTOR SUPPLIED 2070L
CABINET ....CONTRACTOR SUPPLIED 336
SOFTWARE ....ECONOLITE OASIS
CABINET MOUNT...........POLE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED......S1,S2
PHASES USED.............1,2
OVERLAPS................NONE

'RED REST' OPERATION PROGRAMMING

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL DOWN ON THIS SCREEN TO 'RED REST' AND TOGGLE PHASES 1 AND 2 'ON'. (AN 'X' WILL APPEAR UNDER THE PHASE COLUMNS TO INDICATE ACTIVATION.)

RED CLEARANCE START-UP PROGRAMMING

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL DOWN ON THIS SCREEN TO 'STARTUP RED CLR' AND TOGGLE PHASE 1 'ON'. (AN 'X' WILL APPEAR UNDER THIS PHASE COLUMN TO INDICATE ACTIVATION.)

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.	11,12	21,22	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
GREEN	127	130										
YELLOW	126	129										
RED	125	128										
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = NOT USED

THIS ELECTRICAL DETAIL IS FOR THE TEMPORARY SIGNAL DESIGNS: 01-0721T1 01-0721T2 01-0721T3
DESIGNED: JANUARY 2003
SEALED: 1-21-03
REVISED: N/A

THIS DETAIL SUPERSEDES DETAIL DATED APRIL 2002 AND SEALED 4-30-02

TEMPORARY DESIGN 1 - CONSTRUCTION PHASE I
TEMPORARY DESIGN 2 - CONSTRUCTION PHASE II
TEMPORARY DESIGN 3 - CONSTRUCTION PHASE III

ELECTRICAL AND PROGRAMMING DETAILS FOR:

BRIDGE NUMBER 7 on NC 615 over COREY'S DITCH

DIVISION 01 | CURRITUCK COUNTY | McKAY ISLAND
PLAN DATE: JANUARY 2003 | REVIEWED BY: T. Joyce
PREPARED BY: F.E. RUSS | REVIEWED BY:
REVISIONS | INIT. | DATE

Prepared in the Offices of: Traffic Engineering and Safety Systems Branch, Signals Management Section, North Carolina Department of Transportation
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SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN
George C. Brown 1/22/03
SIGNATURE DATE
SIG. INVENTORY NO. 01-0721T1,T2,T3