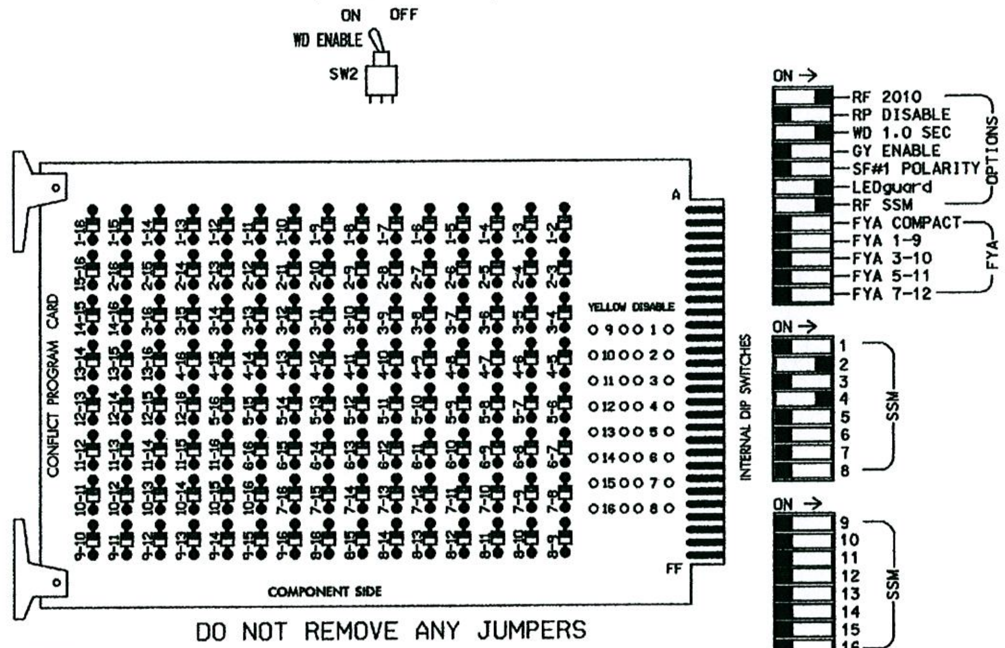
PROJECT REFERENCE NO.	SHEET NO.
U-5017B	12

EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(set switches as shown)



DO NOT REMOVE ANY JUMPERS

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 SEL2-SEL5 are present on the monitor board.

■ = DENOTES POSITION OF SWITCH

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 1,3,5,6,7,8, 9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program phase 2, on the controller unit, for Start Up In Green.
4. Enable Simultaneous Gap-Out, on the controller unit, for all phases.
5. Program phase 2, on the controller unit, for Variable Initial and Gap Reduction.
6. The cabinet and controller are part of the Wilmington Signal System.

SIGNAL HEAD 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 22,23	NU	NU	41,42	NU	NU	NU	NU	NU	NU	NU
RED		128			101							
YELLOW		129			102							
GREEN		130			103							
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	~~SLOT~~ Ø2 2D	Ø2 2A,~~2B~~	NOT USED	Ø 4/~~SYS~~ 4A/~~S1~~	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	FS DC ISOLATOR
L	~~EMPTY~~ Ø2 2C	Ø2 2B ~~2C,2D~~	Ø 4/~~SYS~~ 4C/~~S3~~	Ø 4/~~SYS~~ 4B/~~S2~~	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	ST DC ISOLATOR

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

FS = FLASH SENSE
ST = STOP TIME

EQUIPMENT INFORMATION

CONTROLLER.............CONTRACTOR SUPPLIED 2070L
CABINET................CONTRACTOR SUPPLIED 336
SOFTWARE...............ECONOLITE OASIS
CABINET MOUNT..........POLE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED......S2,S4
PHASES USED............2,4
OVERLAPS...............NONE

Proposed Ø2 lead-in

Proposed Ø4 (should be Ø8) Ec/DC

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
2A,~~2B~~	TB21-3,4	I2U	39	1	2	2	Y	Y			
2B ~~2C,2D~~	TB23-3,4	I2L	43	5	12	2	Y	Y			
4C/~~S3~~	TB23-5,6	I3L	49	11	24	4/~~SYS~~	Y	Y			
4A/~~S1~~	TB21-7,8	I4U	41	3	4	4/~~SYS~~	Y	Y			
4B/~~S2~~	TB23-7,8	I4L	45	7	14	4/~~SYS~~	Y	Y			
2C	TB23-1,2	I1L	47	9	22	2	Y	Y			
2D	TB21-1,2	I1U	56	18	1	2	Y	Y			

INPUT FILE POSITION LEGEND: I2L

FILE I
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0029
DESIGNED: December 2007
SEALED: 5/01/08
REVISED: N.A.

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 76 EB (Dawson Street) at SR 1219 (S. 17th Street)

Prepared in the Offices of: Signals Management Section, 122 N. McDowell St., Raleigh, NC 27603

Division 03 New Hanover County Wilmington

PLAN DATE: 4-29-08	REVIEWED BY: T. Vyer
PREPARED BY: A.A. Klooz	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 008453 JOHN T. ROWE, JR.

SIGNATURE: John T. Rowe, Jr. DATE: 5-12-08

SIG. INVENTORY NO. 03-0029

07-MAY-2008 10:30