PROJECT REFERENCE NO.	SHEET NO.
W-5601J	Sig. 3.2

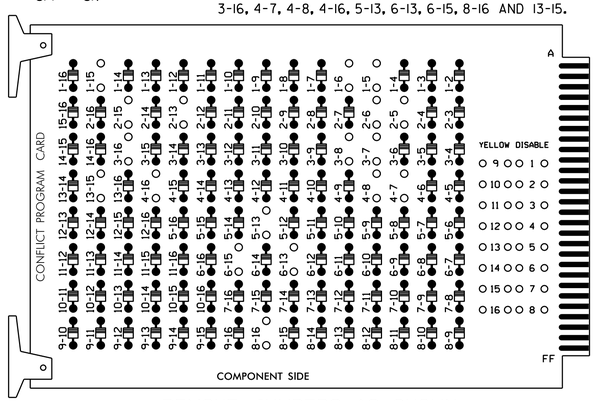
EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

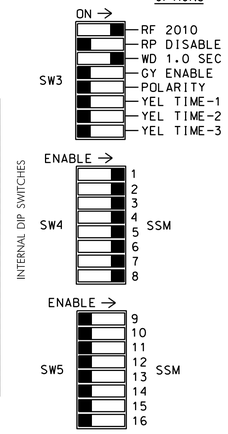
WD ENABLE

SW2 — OFF / ON

REMOVE DIODE JUMPERS 1-5, 1-6, 1-15, 2-5, 2-6, 2-13, 2-15, 3-7, 3-8, 3-16, 4-7, 4-8, 4-16, 5-13, 6-13, 6-15, 8-16 AND 13-15.



REMOVE JUMPERS AS SHOWN



■ = DENOTES POSITION OF SWITCH

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.
3. Make sure SW3 DIP switches YEL TIME-1, YEL TIME-2 and YEL TIME-3 are in the OFF position.

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. To prevent red failures on unused monitor channels, see Red Monitor Board Programming Detail this sheet.
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. The cabinet and controller are part of the Raleigh City Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
CABINET.....McCAIN MODEL 332
(DWG. NO. C32036 REV. B)
SOFTWARE.....SE-PAC2070
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S2P,S3,S4,S5,S6,S6P,S7,S8,S8P
PHASES USED.....1,2,3,4,5,6,7,8,2 PED,6 PED,8 PED
OVERLAPS.....NONE

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.	11	83	21, 22,23	P21, P22	23	31	41,42	NU	42	51,52	61,62 63,64	P61, P62	71,72	81, 82,83	P81, P82
RED			128				101				134			107	
YELLOW			129				102				135			108	
GREEN			130				103				136			109	
RED ARROW	125					116				131			122		
YELLOW ARROW	126	126			117	117			132	132			123		
GREEN ARROW	127	127			118	118			133	133			124		
✋				113								119			110
🚶				115								121			112

NU = Not Used

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	Ø1 1B	Ø1 1A	Ø2 2D,2E	SLOT EMPTY	SLOT EMPTY	Ø3 3A	Ø4 4A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	Ø2 PED DC ISOLATOR	Ø6 PED DC ISOLATOR	FS DC ISOLATOR
	L	NOT USED	Ø2 2A, 2B,2C	Ø2 2F,2G			NOT USED	Ø4 4B					NOT USED	Ø8 PED DC ISOLATOR	ST DC ISOLATOR
FILE "J"	U	Ø5 5A	Ø6 6A,6B	Ø6 6E,6F	Ø5 5C	Ø7 7A	Ø8 8A	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY	SLOT EMPTY
	L	Ø5 5B	Ø6 6C,6D	Ø6 6G,6H	NOT USED	Ø7 7B	Ø8 8B								

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

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

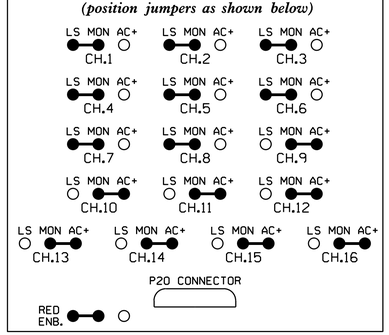
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	DELAY TIME	EXTEND (STRETCH) TIME
1A	TB2-5,6	I2U	39	3	1		
1B	TB2-1,2	I1U	56	1	1	15	
2A,2B,2C	TB2-7,8	I2L	43	4	2		1.6
2D,2E	TB2-9,10	I3U	63	5	2		
2F,2G	TB2-11,12	I3L	76	6	2		
3A	TB4-9,10	I6U	41	11	3		
4A	TB6-1,2	I7U	65	13	4		
4B	TB6-3,4	I7L	78	14	4		
5A	TB3-1,2	J1U	55	19	5		
5B	TB3-3,4	J1L	55	19	5		
6A,6B	TB3-5,6	J2U	40	21	6		1.6
6C,6D	TB3-7,8	J2L	44	22	6		1.6
6E,6F	TB3-9,10	J3U	64	23	6		
6G,6H	TB3-11,12	J3L	77	24	6		
5C	TB5-1,2	J4U	48	25	5	15	
7A	TB5-5,6	J5U	57	29	7		
7B	TB5-7,8	J5L	57	29	7		
8A	TB5-9,10	J6U	42	31	8		
8B	TB5-11,12	J6L	46	32	8		
PED PUSH BUTTONS							
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED		
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED		
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED		

NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

RED MONITOR BOARD PROGRAMMING

(position jumpers as shown below)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1390
DESIGNED: October 2014
SEALED: 12-09-14
REVISED: N/A

REVISION SEAL

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

DocuSigned by: John T. Rowe, Jr. 12/11/2014
SIGNATURE DATE

Signal Upgrade

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signals Management Section
750 Greenfield Pkwy, Garner, NC 27529

US 64 Business (New Bern Avenue) at SR 2697 (N. New Hope Road)

Division 5 | Wake County | Raleigh

PLAN DATE: November 2007		REVIEWED BY:	T. Joyce
PREPARED BY: C. Strickland		REVIEWED BY:	

REVISIONS	INIT.	DATE
Add peds. (JP)	JTR	12/11/2014

SEAL

Not a certified document as to the Original Document but Only as to the Revisions - This document originally issued and sealed by George C. Brown, PE #022013, on 12/17/07.
This document is only certified as to the revisions.

SIGNATURE DATE

SIG. INVENTORY NO. 05-1390

10-DEC-2014 13:14
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jtpeterson