! -----> SAME AS TEMPORARY ONE

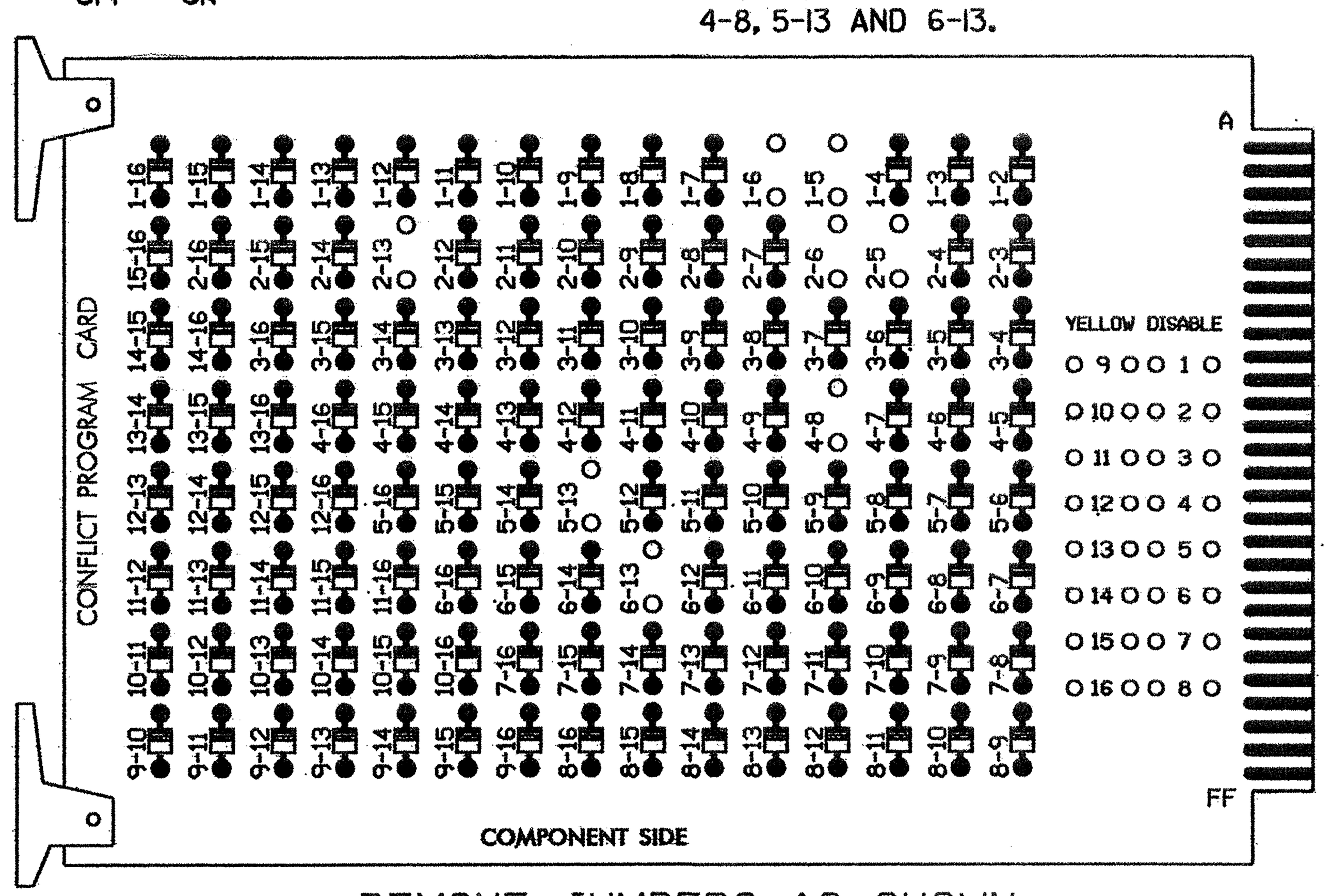
EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

WD ENABLE

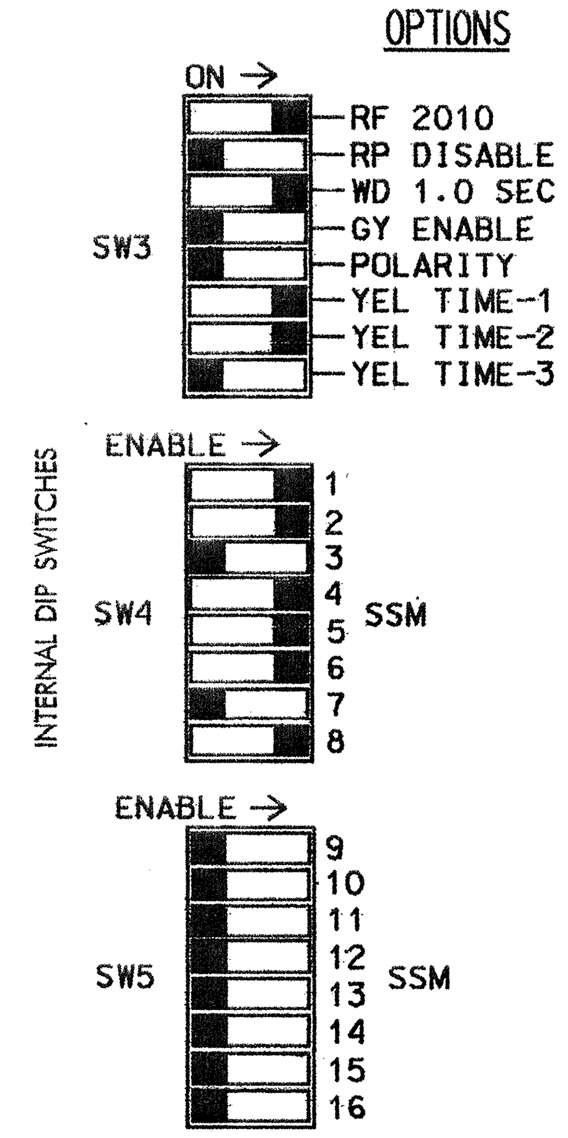
SW2 OFF ON

REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6, 2-13, 4-8, 5-13 AND 6-13.



REMOVE JUMPERS AS SHOWN

OPTIONS



■ = DENOTES POSITION OF SWITCH

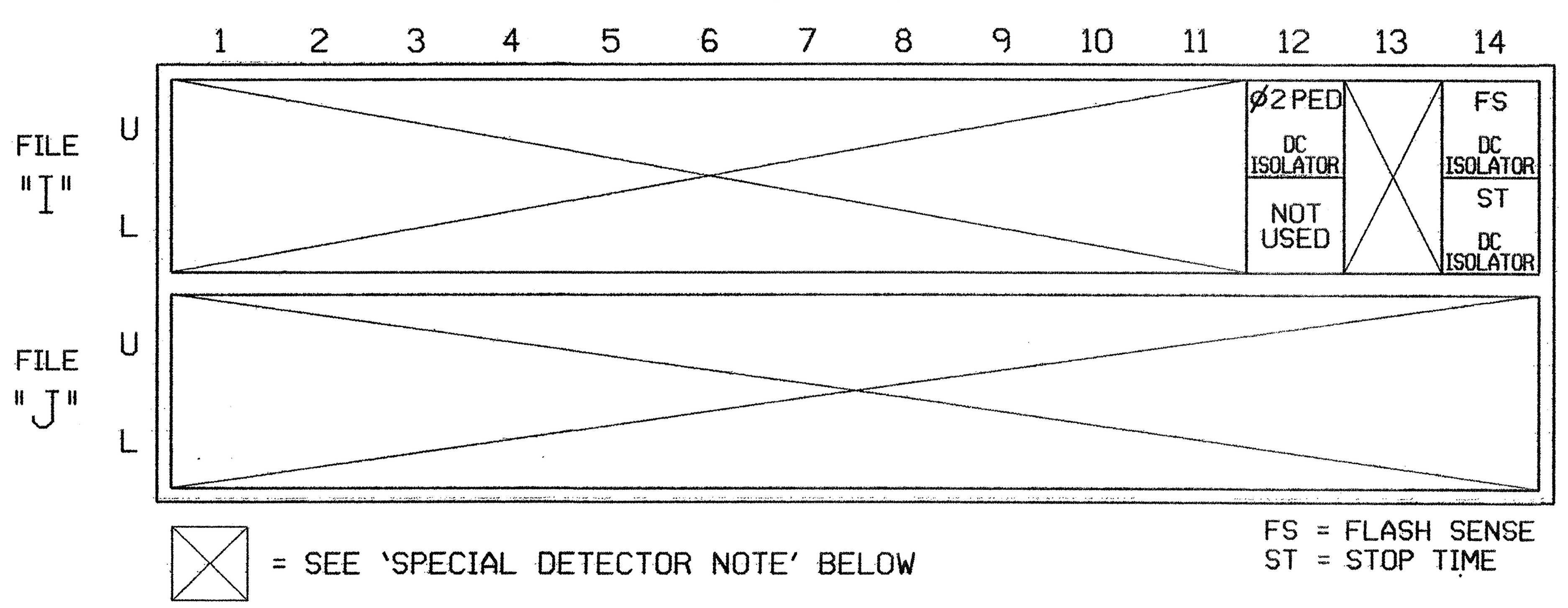
NOTES:

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.

! -----> SAME AS TEMPORARY ONE

INPUT FILE POSITION LAYOUT

(front view)



☒ = SEE 'SPECIAL DETECTOR NOTE' BELOW

FS = FLASH SENSE
ST = STOP TIME

SPECIAL DETECTOR NOTE

A VIDEO DETECTION SYSTEM IS EXISTING AND IN USE AT THIS SIGNAL INSTALLATION. THIS CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF CAMERAS AND MODIFICATION OF DETECTION ZONES (PER VIDEO EQUIPMENT MANUFACTURER'S INSTRUCTIONS) TO ACCOMPLISH THE DETECTION SCHEMES SHOWN IN VIDEO ZONE DETECTION CHART ON THE SIGNAL DESIGN PLAN.

NOTES

1. TO PREVENT "FLASH-CONFLICT" PROBLEMS, INSERT RED FLASH PROGRAM BLOCKS FOR ALL UNUSED VEHICLE LOAD SWITCHES IN THE OUTPUT FILE. 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 3,7,9, 10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER THE CABINET MANUFACTURER'S INSTRUCTIONS.
3. PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
4. SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT WITHIN THE CONTROLLER PROGRAMMING.
5. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
6. PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DOUBLE ENTRY.
7. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.

EQUIPMENT INFORMATION

*CONTROLLER..............McCAIN TRAFFIC TYPE 170E
*CABINET.................McCAIN TRAFFIC MODEL 332
SOFTWARE ....BI TRANS 233NC2
CABINET MOUNT...........BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED......S1,S2,S2P,S4,S5,S6,S8
PHASES USED.............1,2,4,5,6,8,2PED
OVERLAPS................NONE

INSTALLED UNDER TEMPORARY ONE*

! -----> SAME AS TEMPORARY ONE

PEDESTRIAN PUSH-BUTTON CONNECTION & PROGRAMMING

PED PUSH BUTTONS	TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
P21, P22	TB8-4,6	I12U	--	67	2	2

INPUT FILE POSITION LEGEND: I12U
FILE I
SLOT 12
UPPER

DETECTOR ATTRIBUTES LEGEND:
1-FULL TIME DELAY
2-PED CALL
3-RESERVED
4-COUNTING
5-EXTENSION
6-TYPE 3
7-CALLING
8-ALTERNATE

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.

PROJECT REFERENCE NO.	SHEET NO.
R-2904	SIG.15A

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, 23	P21, P22	NU	41,42	NU	42	51	61,62, 63	NU	NU	81,82, 83	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					
(WALK)				115										
(DON'T WALK)				113										

NU = NOT USED

RE-CONNECT FIELD TERMINAL WIRES FOR RIGHT-TURN ARROW SECTION OF HEAD 42 SAME AS DURING TEMPORARY DESIGN ONE. THIS SECTION WILL BE USED DURING THIS TEMPORARY DESIGN FOUR.

PEDESTRIAN PHASE PROGRAMMING

PROGRAM PEDESTRIAN 2P OUTPUT AT KEYPAD INPUT E/125+F+5=Ø2.

THIS ELECTRICAL DETAIL IS FOR THE TEMPORARY SIGNAL DESIGN: 05-0432T4
DESIGNED: JUNE 2004*
SEALED: 7/19/04*
REVISED: N/A

*BY KIMLEY-HORN AND ASSOCIATES, INC.
P.O. BOX 33068
RALEIGH, NC 27636
(919) 677-2000

TEMPORARY DESIGN FOUR

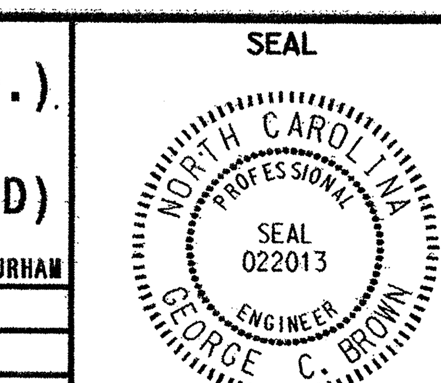
ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 54/SR 1959 (S. MIAMI BLVD.) at NC 54/SR 1974 (N. SLATER ROAD)

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

DIVISION 05 | DURHAM COUNTY | DURHAM
PLAN DATE: JULY 2004 | REVIEWED BY:
PREPARED BY: F.E. RUSS | REVIEWED BY:
REVISIONS | INIT. | DATE

SEAL



SIGNATURE DATE 7/30/04

SIG. INVENTORY NO. 05-0432T4