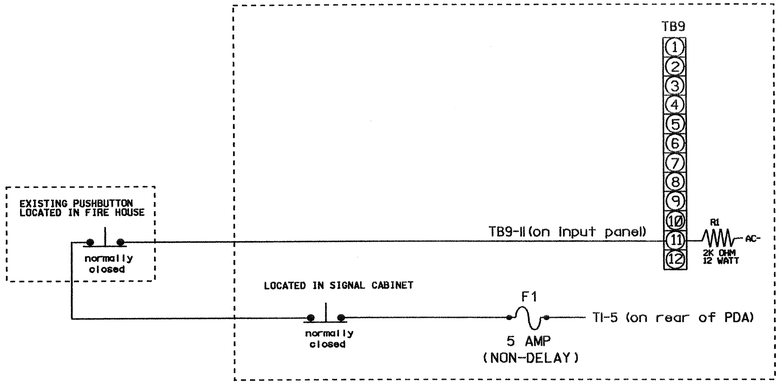
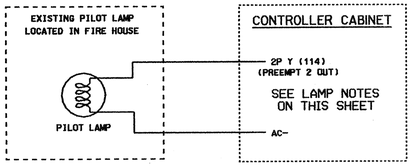
EMERGENCY VEH. PREEMPTION PUSHBUTTON AND INDICATOR LAMP WIRING DETAIL

(wire push-button and lamp as shown below)



IMPORTANT!

1. MAKE SURE AC ISOLATOR INSERTED IN SLOT J14L IS SET FOR INVERTED INPUT.
2. TERMINAL TB9-12B (ON INPUT PANEL) SHALL BE CONNECTED TO AC NEUTRAL (JUMPER MAY NEED TO BE ADDED).

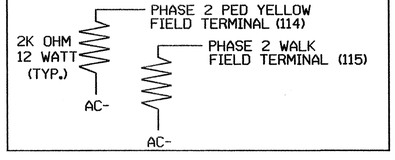


LAMP NOTES

IN ORDER FOR THE PILOT LAMP IN THE FIRE HOUSE TO FUNCTION, MAKE THE FOLLOWING PROGRAMMING CHANGES TO OUTPUT NO. 33.

1. CHANGE THE FUNCTION OF C1 PIN 35 TO BE AN OUTPUT FOR PREEMPT 2. THIS IS ACCOMPLISHED BY THE FOLLOWING:
   - A) FROM MAIN MENU SELECT 6 (OUTPUTS). THEN SELECT 1 (OUTPUT ASSIGNMENTS).
   - B) SCROLL TO C1 PIN 35, OUTPUT NO. 33. YOU WILL SEE THAT IT IS NOT ENABLED.
   - C) SCROLL DOWN TO PREEMPT AND INPUT 'YES'. YOU WILL THEN BE ASKED FOR A PREEMPT NO. ENTER A '2' HERE.
   - D) THE OUTPUT IS NOW ASSIGNED FOR PRE-2 OUTPUT.
2. IF TERMINAL 114 HAS A CONFLICT MONITOR WIRE CONNECTED, REMOVE, TAPE AND LABEL WIRE.
3. MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL.
4. INSERT LOADSWITCH FOR S2P.

LOAD RESISTOR INSTALLATION DETAIL



PROGRAMING LOGICAL I/O PROCESSOR DETAIL

NOTE

WHEN PREEMPT DELAY TIMER IS IN USE STEP 1 SHOWN BELOW IS NECESSARY TO ENSURE PILOT LAMP IN FIRE HOUSE WILL ACTIVATE IMMEDIATELY AFTER PUSH BUTTON IS DEPRESSED :

STEP 1

FROM MAIN MENU: ENTER ⑥ (OUTPUTS).
THEN SELECT ③ (LOGICAL I/O PROCESSOR).

NOTICE OR CONDITION →

LOGICAL I/O COMMAND #1 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS ON
OR ACTIVE PREEMPTION #2 IS ON

↓

SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #33 ON

STEP 2

NOTE

IN ORDER FOR PILOT LAMP IN FIRE HOUSE TO DEACTIVATE IMMEDIATELY AFTER ENDING PREEMPTION, PROGRAM THE FOLLOWING:

TOGGLE THE '+' BUTTON ONCE TO ACCESS LOGICAL I/O COMMAND #2.

NOTICE AND CONDITION →

LOGICAL I/O COMMAND #2 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS OFF
AND ACTIVE PREEMPTION #2 IS OFF

↓

SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #33 OFF

STEP 3

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE LOGICAL PROCESSOR (ACT LOGIC 1-16) BY FLAGGING #1 AND #2.

END OF PROGRAM.

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS). PRESS THE "NEXT" KEY TO ADVANCE TO PREEMPT 2.

PREEMPTION #2			SETTINGS (NEXT:1-10)	
INTERVAL/TIMING			CLEAR/DWELL PHASES	
	GRN	YEL	RED	12345678910111213141516
1	255	0.0	0.0	X X
2	0	0.0	0.0	
3	0	0.0	0.0	
4	0	0.0	0.0	
5	1	0.0	0.0	X X
EXIT CALLS				

OPTIONS	
PRIORITY (Y/N TO SELECT)	MED
DELAY TIMER (0-255 SEC)	*
MIN GREEN BEFORE PRE (0= DEFAULT)	7
PED CLEAR BEFORE PRE (0= DEFAULT)	0
YELLOW CLEAR BEFORE PRE (0= DEFAULT)	0.0
RED CLEAR BEFORE PRE (0= DEFAULT)	0.0
DWELL MIN TIMER (0-255 SEC)	*
DWELL MAX TIMER (0=OFF,1-255MIN)	0
DWELL HOLD-OVER TIMER (0-255)	0
LATCH CALL?	Y
LINK TO NEXT PREEMPT?	N
ENABLE BACKUP PROTECTION?	Y
HOLD CLEAR 1 PHASES DURING DELAY?	N
FAST GREEN FLASH DWELL PHASES?	N
PED CLEARANCE THROUGH YELLOW?	N
INHIBIT OVERLAP GREEN EXTENSION?	N
SERVICE DURING SOFTWARE FLASH?	Y
REST IN RED DURING DWELL INTERVAL?	N
FLASH DWELL INTERVAL?	N
ALLOW PEDS IN DWELL INTERVAL?	N
RE-TIME DWELL INTERVAL?	Y
OVERLAPS:	ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	

* DENOTES TIMING TO BE DETERMINED IN FIELD.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0312 T
DESIGNED: JULY 2004
SEALED: 08/25/04
REVISED:

SIGNAL DESIGN - TEMPORARY - SHEET 2 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 55 AT NC 306

DIVISION 02 PAMLICO COUNTY IN GRANTSBORO

PLAN DATE: AUGUST 2004 REVIEWED BY: R. Hinshaw

PREPARED BY: JAMES PETERSON REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
TRAFFIC ENGINEERING DIVISION
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SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022013 ENGINEER GEORGE C. BROWN

SIGNATURE DATE 9/1/04

SIG. INVENTORY NO. 02-0312 T

27-AUG-2004 11:52
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