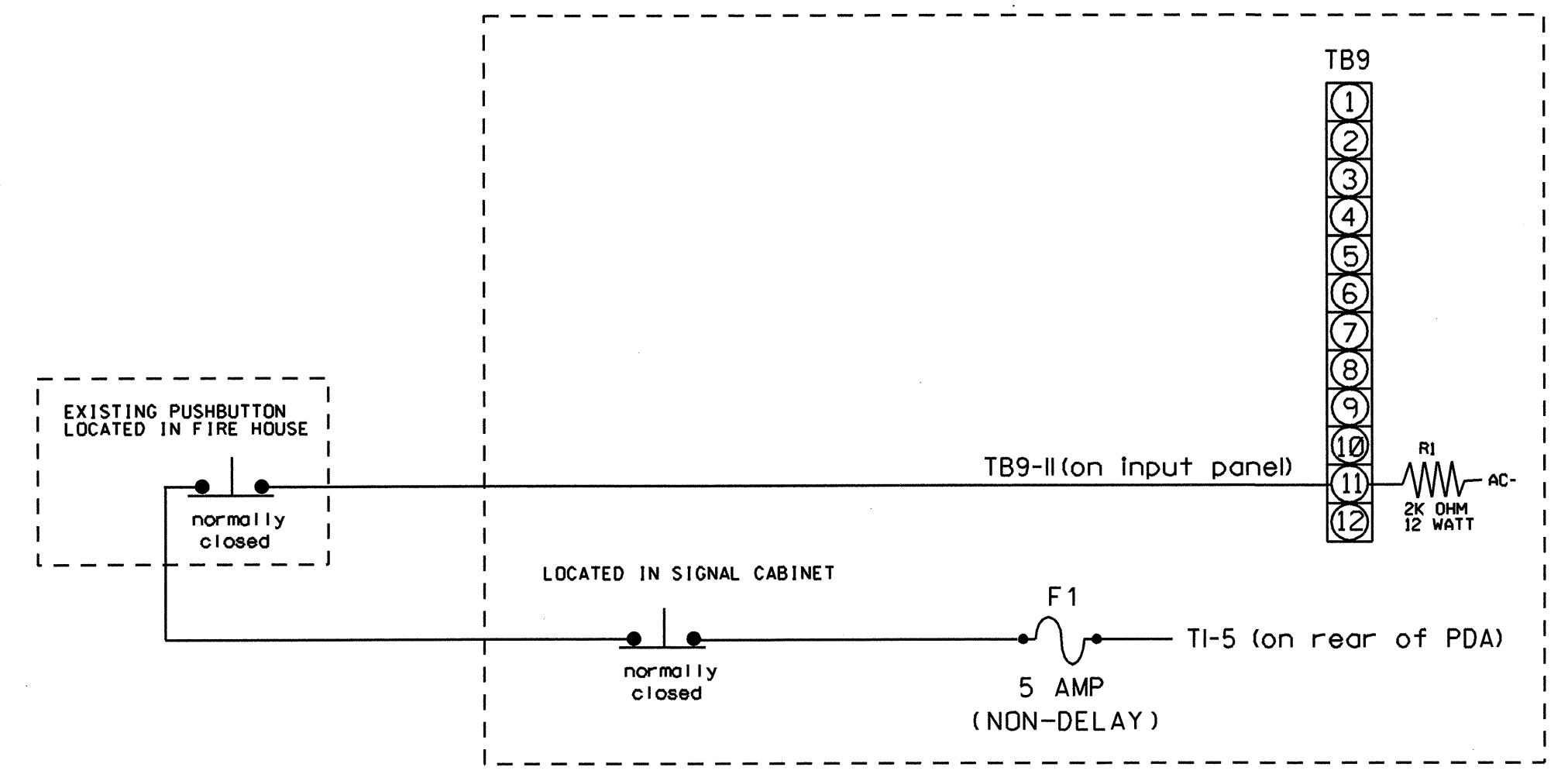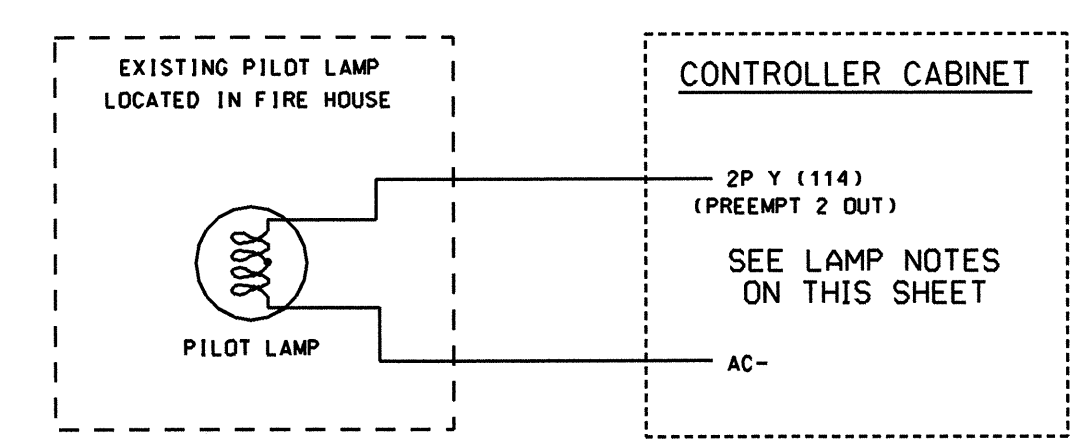## EMERGENCY VEH. PREEMPTION PUSHBUTTON
AND INDICATOR LAMP WIRING DETAIL

(wire push-button and lamp as shown below)

TB9

EXISTING PUSHBUTTON
LOCATED IN FIRE HOUSE

normally closed

TB9-11 (on input panel)

R1
AC-
2K OHM
12 WATT

LOCATED IN SIGNAL CABINET

normally closed

F1
TI-5 (on rear of PDA)

5 AMP
(NON-DELAY)

IMPORTANT!

MAKE SURE AC ISOLATOR INSERTED IN JI4L IS SET FOR INVERTED INPUT.

EXISTING PILOT LAMP
LOCATED IN FIRE HOUSE

CONTROLLER CABINET

PILOT LAMP

2P Y (114)
(PREEMPT 2 OUT)

SEE LAMP NOTES
ON THIS SHEET

AC-

LAMP NOTES

IN ORDER FOR PILOT LAMP IN 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 ON PAGE 1.
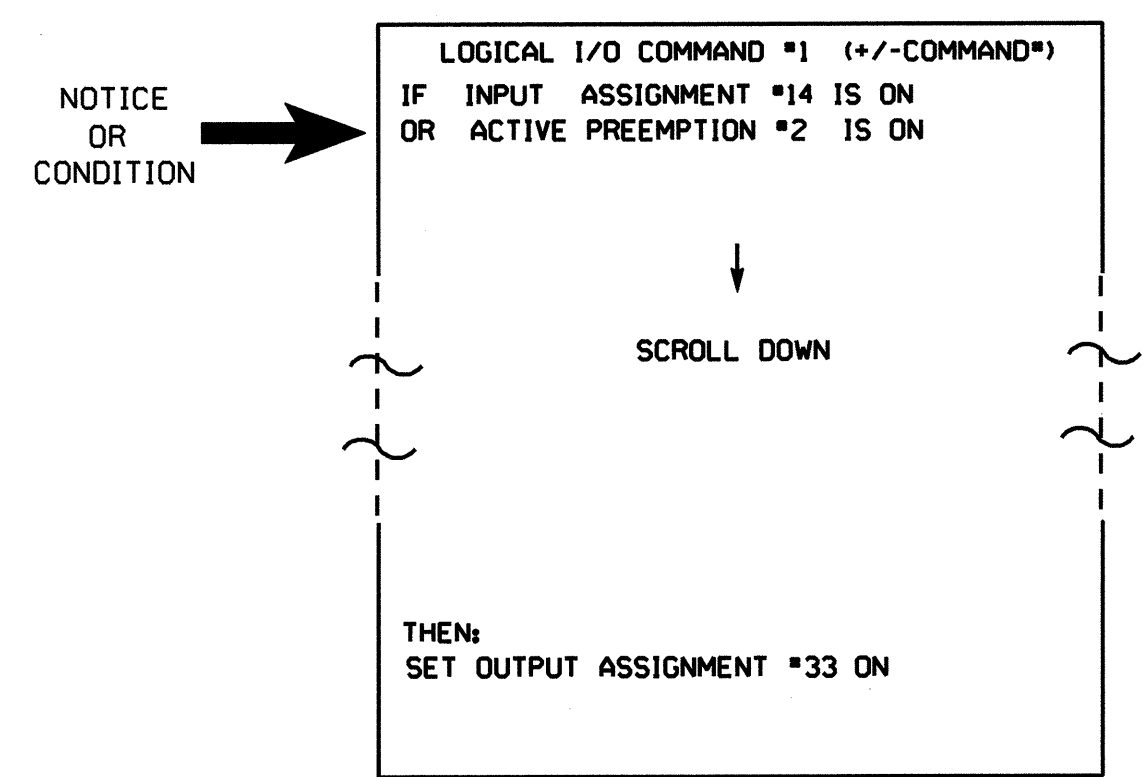
4. INSERT LOADSWITCH FOR S2P.

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
```
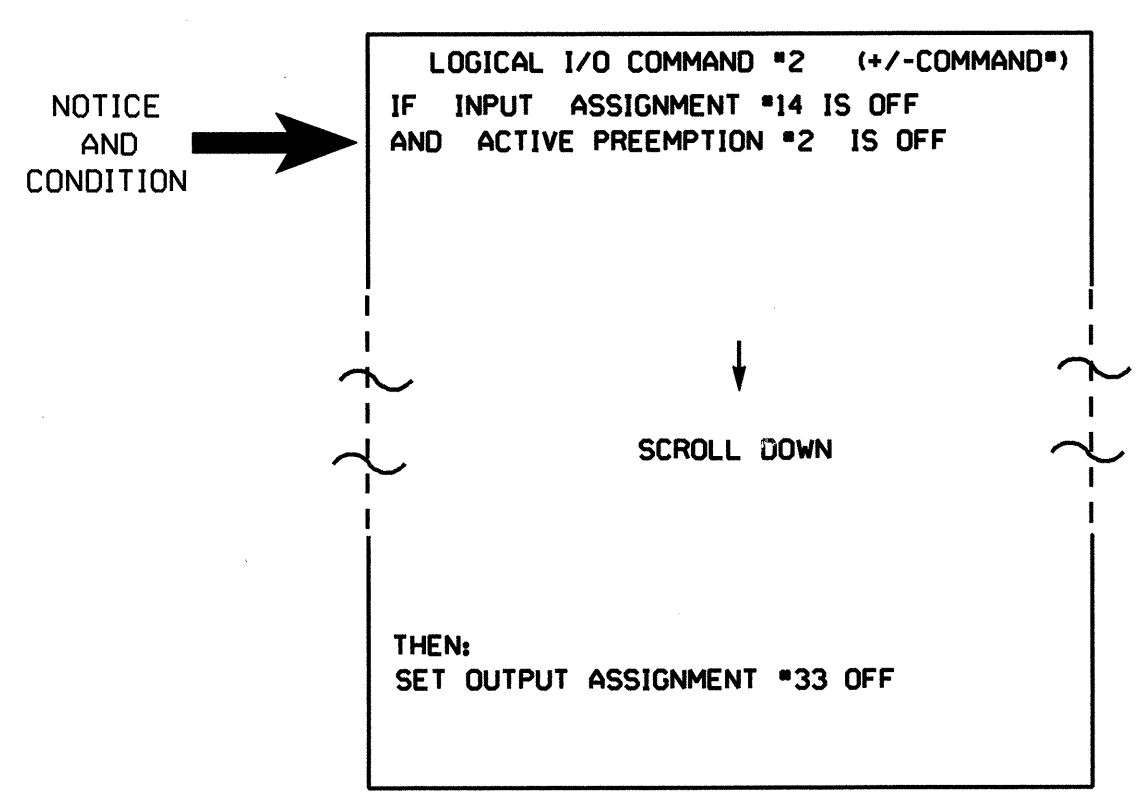
STEP 2

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
2   0  0.0 0.0 :
3   0  0.0 0.0 :
4   0  0.0 0.0 :
5   0  0.0 0.0 :
EXIT CALLS
              OPTIONS
PRIORITY (Y/N TO SELECT) ...........MED
DELAY TIMER (0-255 SEC) ............*
MIN GREEN BEFORE PRE (0= DEFAULT)...1
PED CLEAR BEFORE PRE (0= DEFAULT)...0
YELLOW CLEAR BEFORE PRE (0= DEFAULT).4.7
RED CLEAR BEFORE PRE (0= DEFAULT)...2.0
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? ..........N
HOLD CLEAR 1 PHASES DURING DELAY? ..Y
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: 13-0284T1
DESIGNED: 04/10/2003
SEALED: 02/26/2004
REVISED: TBD

TEMPORARY SIGNAL 1 - PHASE I - TCP 13
PAGE 2 OF 2

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared for the Offices of:

US 25 (HENDERSONVILLE ROAD)
AT
NC 146 (LONG SHOALS ROAD)

DIVISION 13	BUNCOMBE COUNTY	ASHEVILLE
PLAN DATE: JULY 2003	REVIEWED BY: J O DEATON	
PREPARED BY: M W YALCH	REVIEWED BY:	

REVISIONS | INIT. | DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
07438
ENGINEER
JAMES O. DEATON

SIGNATURE   DATE

SIG. INVENTORY NO. 13-0284T1