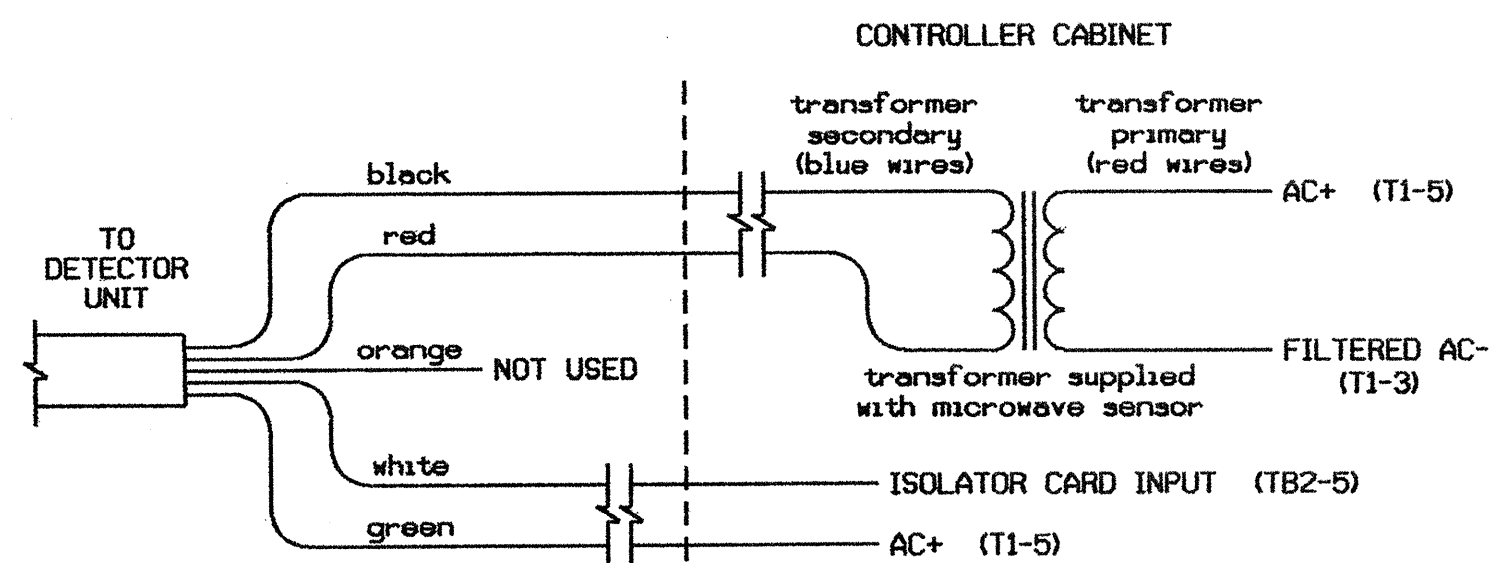


### MICROWAVE DETECTOR WIRING DETAIL

(wire as shown)



TC26B WIRE LIST

| COLOR  | FUNCTION                       |
|--------|--------------------------------|
| black  | 12V to 24V AC/DC (no polarity) |
| red    | 12V to 24V AC/DC (no polarity) |
| orange | Output Relay Normally Open     |
| white  | Output Relay Normally Closed   |
| green  | Output Relay Normally Common   |

NOTES:

1. SENSOR IS A MICROWAVE SENSORS, INC. MODEL TC-26B MICROWAVE MOTION DETECTOR MOUNTED ON POLES AS INDICATED ON SIGNAL DESIGN PLANS.
2. CONFIGURE AC ISOLATOR CARD TO PLACE CALL UPON REMOVAL OF AC+ FROM THE INPUT.
3. IMPORTANT: FOR PROPER OPERATION OF THE MICROWAVE DETECTOR, REMOVE SURGE PROTECTION FROM TB2-5 AND TB2-6. TIE TB2-6 TO AC NEUTRAL.

### QUEUE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS). PRESS '+' UNTIL PREEMPTION #2 IS REACHED

| PREEMPTION #2 | INTERVAL/TIMING | GRN | YEL | RED | CLEAR/DWELL PHASES      |
|---------------|-----------------|-----|-----|-----|-------------------------|
| 1             | 255             | 0.0 | 0.0 | 0.0 | X                       |
| 2             | 0               | 0.0 | 0.0 | 0.0 | 12345678910111213141516 |
| 3             | 0               | 0.0 | 0.0 | 0.0 |                         |
| 4             | 0               | 0.0 | 0.0 | 0.0 |                         |
| 5             | 1               | 0.0 | 0.0 | 0.0 | X X                     |

EXIT CALLS

OPTIONS

PRIORITY (Y/N TO SELECT) .....MED

DELAY TIMER (0-255 SEC) .....0.0

MIN GREEN BEFORE PRE (0= DEFAULT)....7

PED CLEAR BEFORE PRE (0= DEFAULT)....0

YELLOW CLEAR BEFORE PRE (0= DEFAULT)....4.7

RED CLEAR BEFORE PRE (0= DEFAULT)....2.5

DWELL MIN TIMER (0-255 SEC) .....45

DWELL MAX TIMER (0=OFF,1-255MIN) ....0

DWELL HOLD-OVER TIMER (0-255) .....0

LATCH CALL? .....N

LINK TO NEXT PREEMPT? .....N

ENABLE BACKUP PROTECTION? .....N

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 PDS IN DWELL INTERVAL? .....N

RE-TIME DWELL INTERVAL? .....N

OVERLAPS: .....ABCDEFGHIJKLMNPO

DWELL INT FLASH YELLOW

OMIT OVERLAPS:

### VEHICLE DETECTOR #26 SETTINGS

(program controller as shown below)

FROM MAIN MENU PRESS '7' (DETECTORS), THEN '1' (VEHICLE DETECTOR ASSIGNMENTS). PRESS '+' UNTIL DETECTOR #26 IS REACHED.

| VEHICLE DETECTOR #26                     | SETTINGS (+,-,1-64)     |
|--|-------------------------|
| SETTING:                                 | (Y/N)                   |
| ENABLE DETECTOR.....                     | Y                       |
| ENABLE LOGGING.....                      | Y                       |
| ENABLE DIAGNOSTICS.....                  | Y                       |
| SPEED TRAP.....                          | N                       |
| CALL DETECTOR.....                       | N                       |
| EXTENSION DETECTOR.....                  | N                       |
| MODE 2 STOP BAR.....                     | N                       |
| SWITCHING DETECTOR.....                  | N                       |
| DUPLICATING DETECTOR.....                | N                       |
| ENABLE FULL TIME DELAY.....              | N                       |
| IF FAILED, SET MIN RECALL?.....          | Y                       |
| IF FAILED, SET MAX1 RECALL?.....         | N                       |
| IF FAILED, SET MAX2 RECALL?.....         | N                       |
| PHASE#                                   | 12345678910111213141516 |
| PHASES ASSIGNED :                        |                         |
| SWITCH/DUPLICATE:                        |                         |
| LOOP SIZE (0-255 FT).....                | 6                       |
| SPEED TRAP DISTANCE (0-255 FT).....      | 0                       |
| STOP BAR TIME (0-255 SEC).....           | 0                       |
| STRETCH (0-25.5 SEC).....                | 0.0                     |
| DELAY (0-255 SEC).....                   | 0                       |
| MAX CALLS/MIN (0-255).....               | 255                     |
| MIN CALLS/DIAGNOSTIC PERIOD (0-255)..... | 0                       |
| MAX OCCUPANCY (0-100%).....              | 100                     |
| EXTENSION DISABLE TIME (0-255 SEC).....  | 0                       |
| QUEUE MAX OCCUPANCY TIME (0-255).....    | 5                       |
| QUEUE GAP RESET TIME (0-25.5).....       | 0.1                     |
| PREEMPTION INDEX FOR QUEUE (0-10).....   | 2                       |

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0763 T2  
 DESIGNED: APRIL 2004  
 SEALED: 07-01-04  
 REVISED:

TEMPORARY SIGNAL 2 - SHEET 2 OF 2

|  |   |                      |  |   |   |
|--|---|----------------------|--|---|---|
| <p>Prepared in the Office of<br/>                 Traffic Engineering and Signal Systems<br/>                 STATE OF NORTH CAROLINA<br/>                 DEPARTMENT OF TRANSPORTATION<br/>                 Signal Management Section<br/>                 122 N. McDowell St., Raleigh, NC 27603</p> | ELECTRICAL AND PROGRAMMING DETAILS FOR: |                      | SR 1101 (HARPER ROAD)<br>AT<br>I-40 WB EXIT RAMP A |   | SEAL<br><p>SEAL<br/>022013<br/>ENGINEER<br/>GEORGE C. BROWN</p> |
|  | DIVISION 09 FORSYTH COUNTY CLENNONS     | PLAN DATE: JUNE 2004 | REVIEWED BY: <i>R. H. Brown</i>                    | PREPARED BY: JAMES PETERSON                       |   |
| REVISIONS  |   | INIT.                | DATE   | SIGNATURE: <i>George C. Brown</i> 7/12/04<br>DATE |   |
| SIG. INVENTORY NO. 09-0763 T2  |   |                      |  |   |   |

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