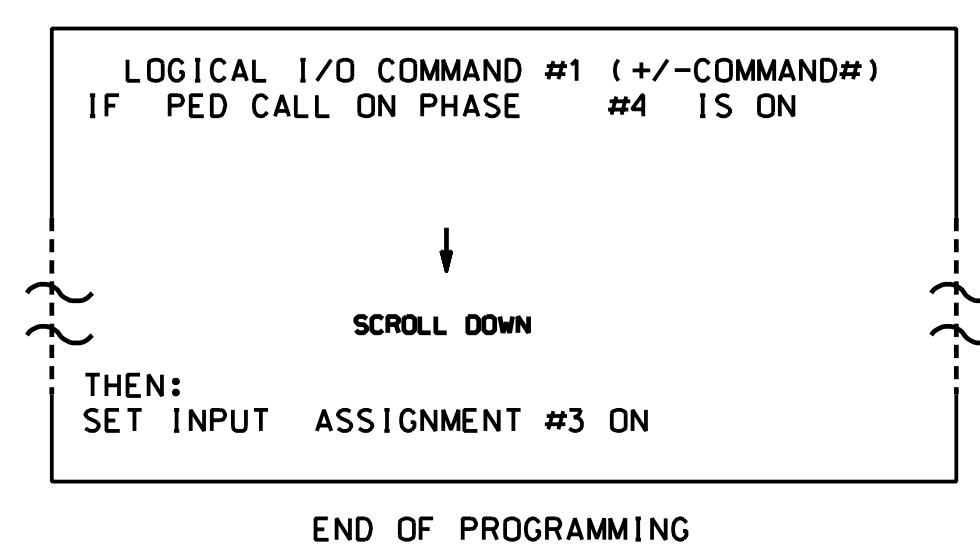


LOGICAL I/O PROCESSOR PROGRAMMING DETAIL
TO APPLY PHASE 4 VEH. CALL WITH PHASE 4 PED CALL

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMAND 1.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



NOTE: THIS LOGIC ENSURES THAT WHENEVER A PHASE 4 PED CALL EXISTS, A PHASE 4 VEH. CALL WILL ALSO BE PLACED.

THIS IS NECESSARY SO THAT THE "DYNAMIC" PROGRAMMING OPERATES PROPERLY WHEN ONLY A PED CALL EXISTS IN THE FIELD ON PHASE 4.

INPUT REFERENCE
 INPUT 3 = VEH. DET. 4

DYNAMIC OMIT CONTROL PROGRAMMING

(program controller as shown below)

- From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Scroll to the bottom of the menu and enable Dynamic/Backup Control Functions 1 and 2.
- From Phase Control Functions Menu press '2' (Dynamic/Backup Control Functions).

```

    DYNAMIC/BACKUP CONTROL FUNCTION #01
    OVERLAPS: ABCDEFGHIJKLMNOP
    IF OVERLAPS ARE ACTIVE :
    OR PHASES: 12345678910111213141516
    IF PHASES ARE ON: X X
    OMIT PHASES : X
    CALL PHASES : X
    
```

PRESS 'NEXT'

```

    DYNAMIC/BACKUP CONTROL FUNCTION #02
    OVERLAPS: ABCDEFGHIJKLMNOP
    IF OVERLAPS ARE ACTIVE :
    OR PHASES: 12345678910111213141516
    IF PHASES ARE ON: X
    OMIT PHASES : X
    CALL PHASES :
    
```

DYNAMIC OMIT PROGRAMMING COMPLETE

NOTE: THIS PROGRAMMING ENSURES THAT PHASE 3 WILL BE SERVED PRIOR TO PHASE 4 WHEN CONTROLLER IS ADVANCING FROM 2+6.

PHASE 3 IS USED TO PROVIDE EXTENDED RED CLEARANCE BEFORE SERVING PHASE 4.

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

FROM DASH LOCAL CONTROLLER MAIN MENU
 SELECT: 4 PHASE SEQUENCE

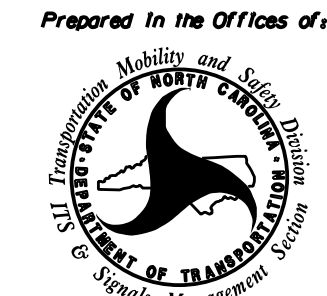

| PHASE SEQUENCE: PAGE 1 | | NEXT: PAGES) | | | | | |
|------------------------|------|--------------|-------|------|-----------|-------|---|
| RNG | LEAD | BARRIER 1 | X-LAG | LEAD | BARRIER 2 | X-LAG | |
| 1 | :0 | 2 | 0 | 0 | :3 | 4 | 0 |
| 2 | :0 | 6 | 0 | 0 | :0 | 8 | 0 |
| 3 | :0 | 0 | 0 | 0 | :0 | 0 | 0 |
| 4 | :0 | 0 | 0 | 0 | :0 | 0 | 0 |

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-1106
 DESIGNED: December 2017
 SEALED: 04-23-2018
 REVISED: N/A

Electrical Detail - Sheet 2 of 2
 Final Design

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

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| | | |
|--|---|---|
| ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of:  750 N. Greenfield Pkwy, Corner, NC 27529 | SR 2136 (Gilead Road) at I-77 SB Ramps | SEAL  SEAL 031464 NATASHA R. SIMMONS |
| | Division 10 Mecklenburg Co. Huntersville PLAN DATE: December 2017 REVIEWED BY: A.D. Klinksiek PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons | |