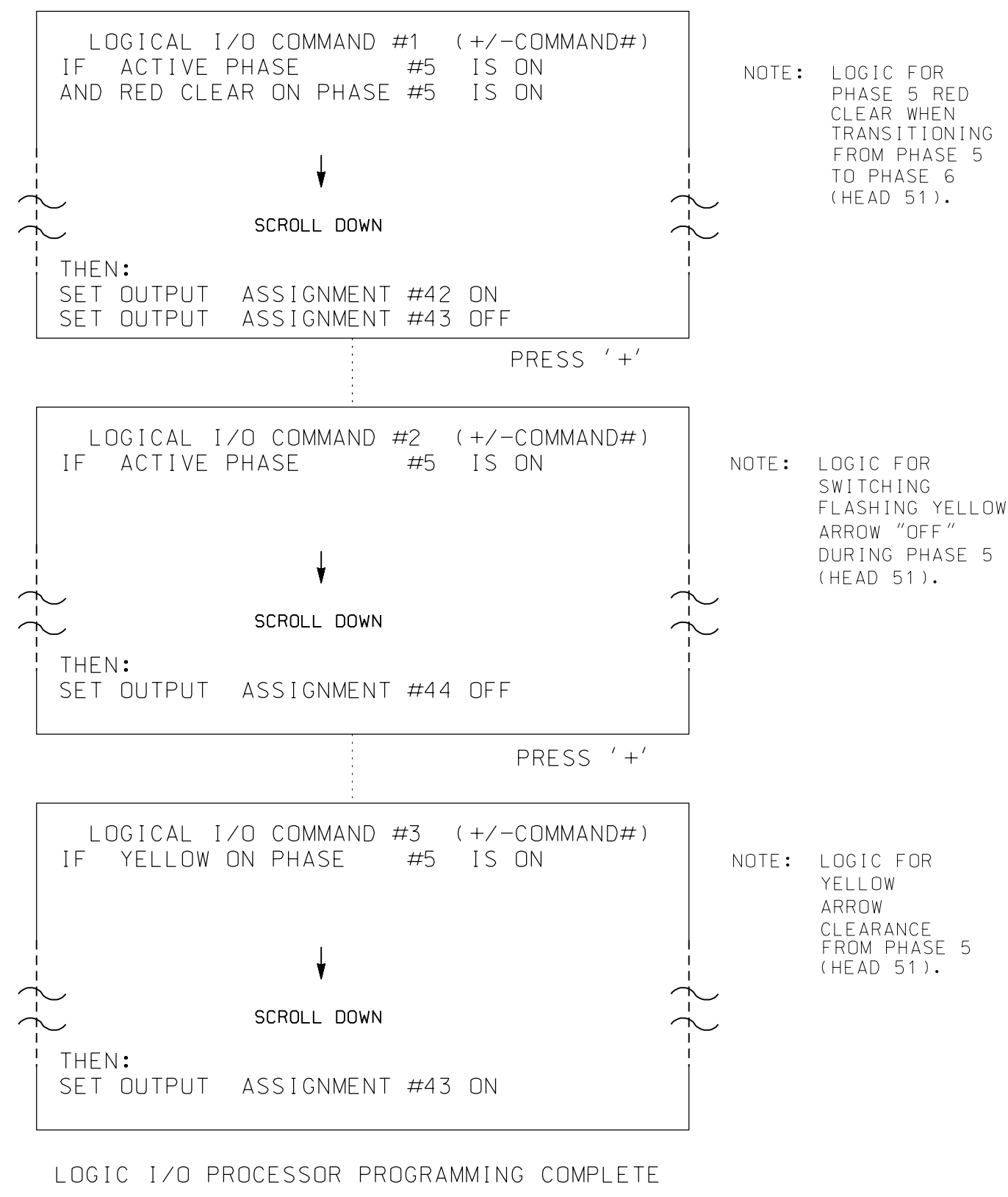| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| C-5558 | Sig. 190.2 |

## LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

## TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE

*(program  controller as shown below)*

1. FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1, 2 AND 3.

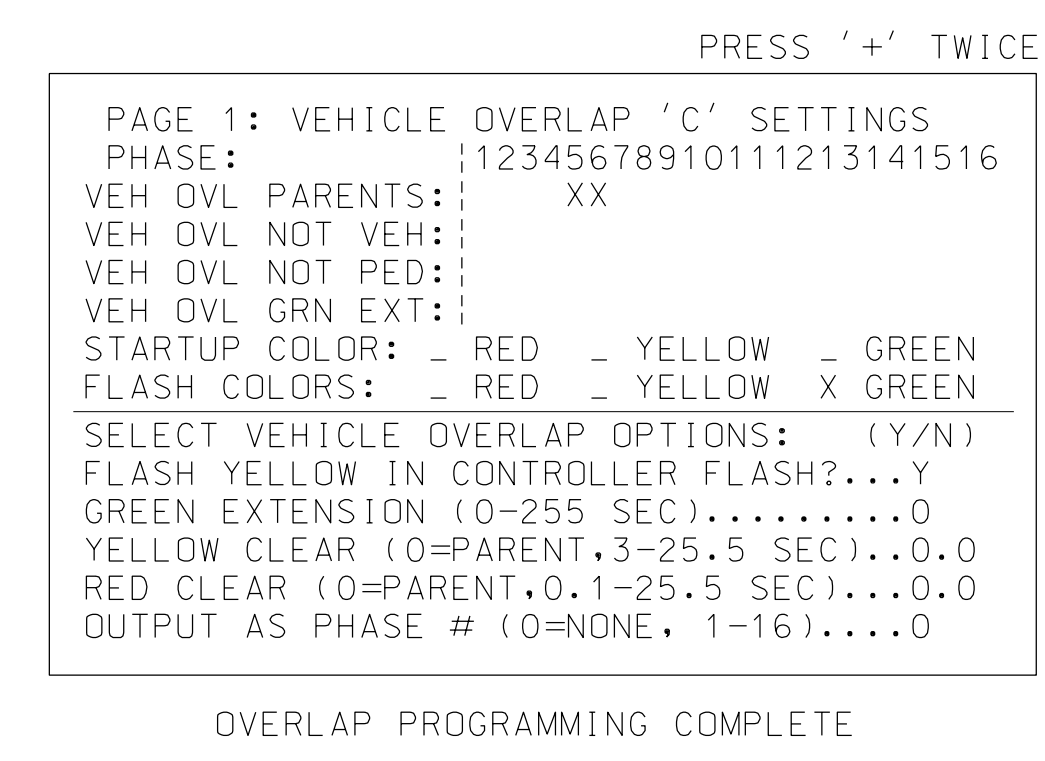2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).

```
LOGICAL I/O COMMAND #1  (+/-COMMAND#)
IF   ACTIVE PHASE      #5   IS ON
AND RED CLEAR ON PHASE #5   IS ON


              ↓
        SCROLL DOWN

THEN:
SET OUTPUT   ASSIGNMENT #42 ON
SET OUTPUT   ASSIGNMENT #43 OFF
```

NOTE:  LOGIC FOR PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 TO PHASE 6 (HEAD 51).

PRESS '+'

```
LOGICAL I/O COMMAND #2  (+/-COMMAND#)
IF   ACTIVE PHASE      #5   IS ON


              ↓
        SCROLL DOWN

THEN:
SET OUTPUT   ASSIGNMENT #44 OFF
```

NOTE:  LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEAD 51).

PRESS '+'

```
LOGICAL I/O COMMAND #3  (+/-COMMAND#)
IF   YELLOW ON PHASE   #5   IS ON


              ↓
        SCROLL DOWN

THEN:
SET OUTPUT   ASSIGNMENT #43 ON
```

NOTE:  LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 5 (HEAD 51).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

### OUTPUT  REFERENCE  SCHEDULE

OUTPUT 42 = Overlap C Red
OUTPUT 43 = Overlap C Yellow
OUTPUT 44 = Overlap C Green

## OVERLAP PROGRAMMING DETAIL

*(program  controller as shown below)*

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+' TWICE

```
PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE:              ¦12345678910111213141516
VEH OVL PARENTS:¦        XX
VEH OVL NOT VEH:¦
VEH OVL NOT PED:¦
VEH OVL GRN EXT:¦
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN     ← NOTICE GREEN FLASH

SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (O=PARENT,3-25.5 SEC)..O.O
RED CLEAR (O=PARENT,O.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (O=NONE, 1-16)....O
```

OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: HP0310
DESIGNED: July 2014
SEALED: June 5, 2015
REVISED:

**ELECTRICAL AND PROGRAMMING DETAILS FOR:**

HIGH POINT
NORTH CAROLINA'S INTERNATIONAL CITY
Department of Transportation
211 S. Hamilton Street
High Point, NC 27260

Prospect Street
at
Eugene Avenue

| Division 07 | Guilford County | High Point |
|---|---|---|
| PLAN DATE: July 2014 | REVIEWED BY: | LM Moon |
| PREPARED BY: AM Encarnacion | REVIEWED BY: | MB Toth |

REVISIONS | INIT. | DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
025892
ENGINEER
MELISSA B. TOTH

DocuSigned by:
Melissa B. Toth
SIGNATURE      6/5/2015
DATE

SIG. INVENTORY NO.    HP0310

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