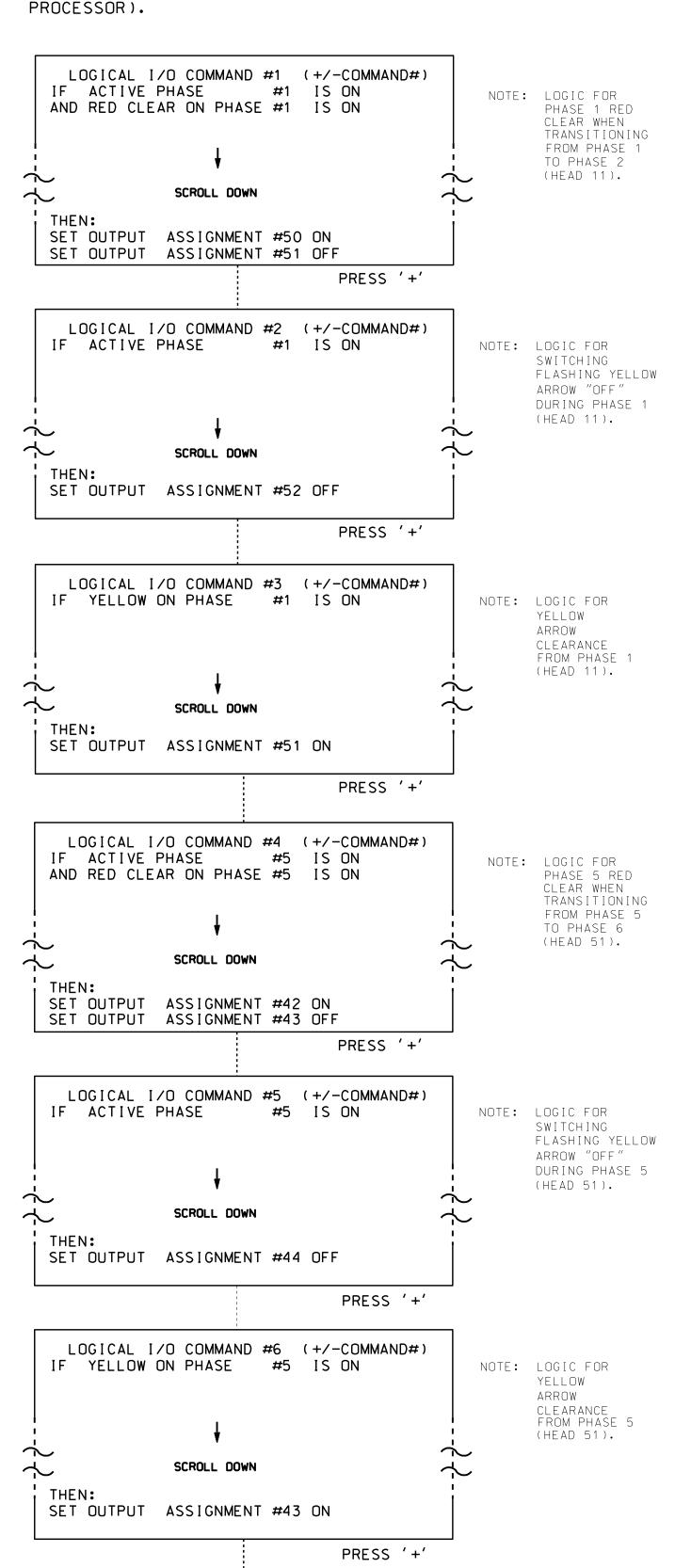
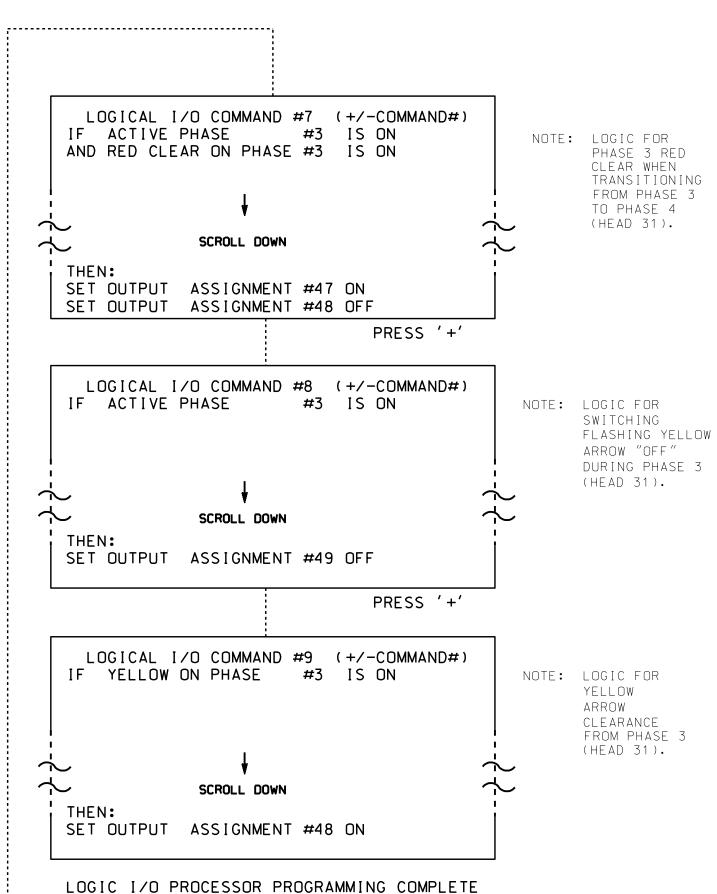
## LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

### 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, 3, 4, 5, 6, 7, 8, AND 9.
- 2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O





OUTPUT REFERENCE SCHEDULE USE TO INTERPRET LOGIC PROCESSOR

> OUTPUT 42 = Overlap C Red OUTPUT 43 = Overlap C Yellow

> OUTPUT 44 = Overlap C Green

OUTPUT 47 = Overlap B Red

OUTPUT 48 = Overlap B Yellow

OUTPUT 49 = Overlap B Green OUTPUT 50 = Overlap A Red

OUTPUT 51 = Overlap A Yellow OUTPUT 52 = Overlap A Green

## OVERLAP PROGRAMMING DETAIL

# FOR DEFAULT PHASING

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS). THEN '1' (VEHICLE OVERLAP SETTINGS). PAGE 1: VEHICLE OVERLAP 'A' SETTINGS PAGE 1: VEHICLE OVERLAP 'C' SETTINGS 12345678910111213141516 12345678910111213141516 VEH OVL PARENTS: XX VEH OVL PARENTS: | VEH OVL NOT VEH: | VEH OVL NOT VEH: VEH OVL NOT PED: VEH OVL NOT PED: VEH OVL GRN EXT: | VEH OVL GRN EXT: | STARTUP COLOR: \_ RED \_ YELLOW \_ GREEN STARTUP COLOR: \_ RED \_ YELLOW \_ GREEN FLASH COLORS: \_ RED \_ YELLOW X GREEN FLASH COLORS: \_ RED \_ YELLOW X GREEN **←** NOTICE **←** NOTICE GREEN FLASH SELECT VEHICLE OVERLAP OPTIONS: (Y/N) SELECT VEHICLE OVERLAP OPTIONS: (Y/N) FLASH YELLOW IN CONTROLLER FLASH?...Y FLASH YELLOW IN CONTROLLER FLASH?...Y GREEN EXTENSION (0-255 SEC)..... GREEN EXTENSION (0-255 SEC).....0 YELLOW CLEAR (O=PARENT.3-25.5 SEC)..0.0 YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0 RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0 RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0 OUTPUT AS PHASE # (0=NONE, 1-16)....0 OUTPUT AS PHASE # (0=NONE, 1-16)....0 PRESS '+' PRESS '+' PAGE 1: VEHICLE OVERLAP 'B' SETTINGS PAGE 1: VEHICLE OVERLAP 'D' SETTINGS 12345678910111213141516 12345678910111213141516 VEH OVL PARENTS: | XX VEH OVL PARENTS: VEH OVL NOT VEH: VEH OVL NOT VEH: VEH OVL NOT PED: VEH OVL NOT PED: VEH OVL GRN EXT: | VEH OVL GRN EXT: | STARTUP COLOR: \_ RED \_ YELLOW \_ GREEN STARTUP COLOR: \_ RED \_ YELLOW \_ GREEN FLASH COLORS: \_ RED \_ YELLOW X GREEN **←** NOTICE FLASH COLORS: \_ RED \_ YELLOW X GREEN SELECT VEHICLE OVERLAP OPTIONS: (Y/N) GREEN GREEN SELECT VEHICLE OVERLAP OPTIONS: (Y/N) FLASH YELLOW IN CONTROLLER FLASH?...N FLASH FLASH YELLOW IN CONTROLLER FLASH?...N FLASH GREEN EXTENSION (0-255 SEC)..... GREEN EXTENSION (0-255 SEC)..... YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0 YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0 RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0 RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0 OUTPUT AS PHASE # (0=NONE, 1-16)....0 OUTPUT AS PHASE # (0=NONE, 1-16)....0

## FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

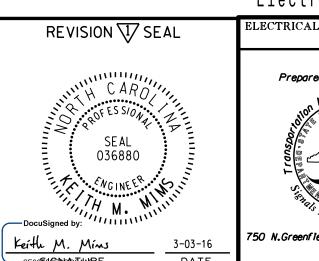
- 1. ON REAR OF PDA REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
- 2. ON REAR OF PDA REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
- 3. REMOVE FLASHER UNIT 2.

PRESS '+'

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0424 DESIGNED: January 2016 SEALED: 2-16-16 REVISED: N/A

Electrical Detail - Sheet 2 of 5



ELECTRICAL AND PROGRAMMING DETAILS FOR Prepared in the Offices of: Added alternate phasing and revised overlap programming. (JP) 750 N.Greenfield Pkwy,Garner,NC 27529

NC 133 (Castle Hayne Road) I-140-US 17 WB Ramps/ Centennial Drive New Hanover County ivision 03 PLAN DATE: September 2009 | REVIEWED BY: T. Joyce PREPARED BY: S. Armstrong | REVIEWED BY:

REVISIONS

OVERLAP PROGRAMMING COMPLETE

Original Document but Only as to the Revisions - This document originally issued and sealed by George C. Brown. PE #022013. on 09/29/09. This document is only certified as to the revisions.

-- INPIST. DATE

<u>kmm</u> 3-03-16

SEAL

Not a certified document as to the

PROJECT REFERENCE NO.

SHEET NO.

Sig. 2.2

SIG. INVENTORY NO. 03-0424