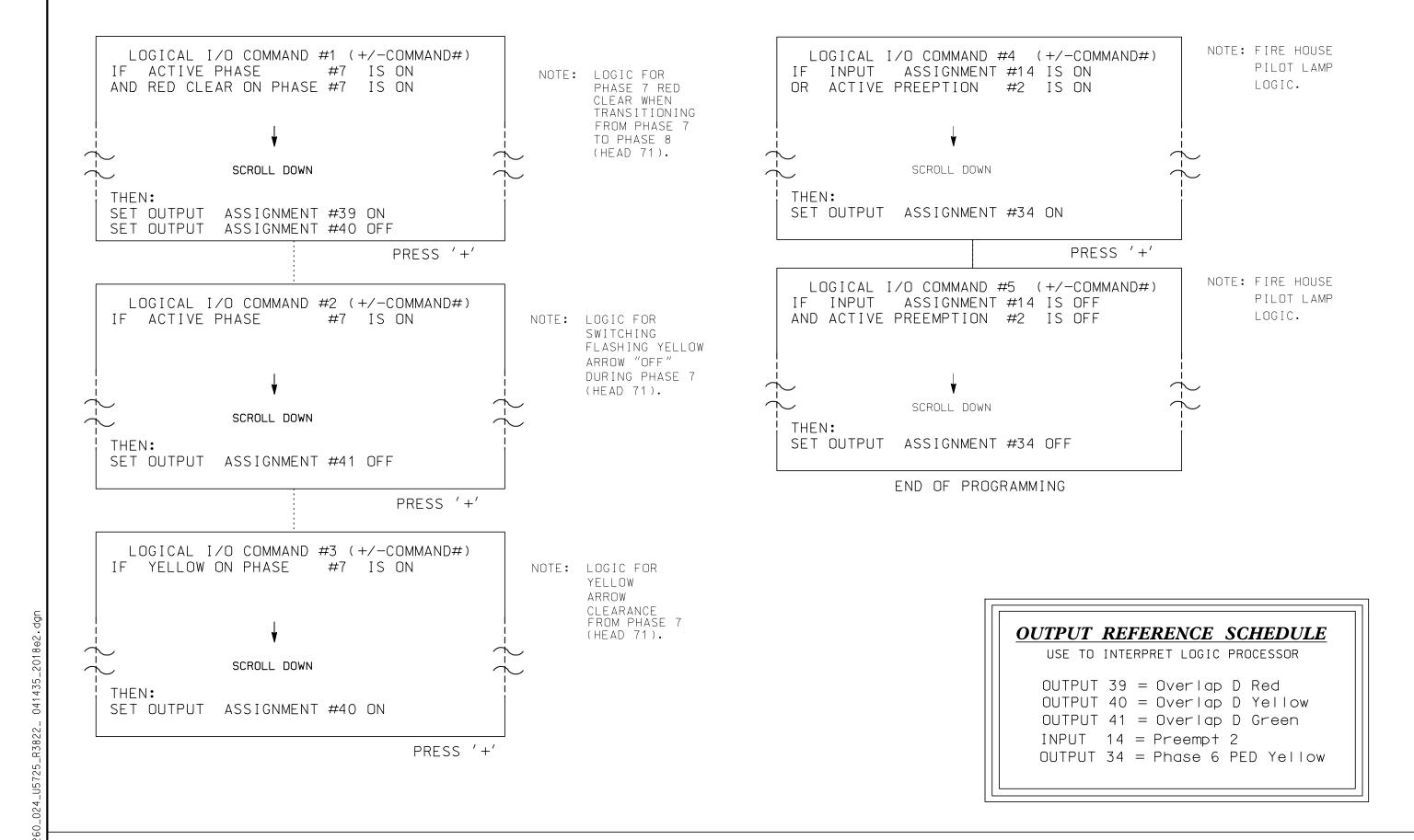
LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE AND INDICATOR LAMP CONTROL

(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 AND 5
- 2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



PREEMPT ONLY PHASE OMIT NOTE

From Main Menu press '2' (Phase Control). Then '1' (Phase Control Functions). Program Phase 7 for 'Omit Phase' and Phases 2, 4, 6, 8 for 'Startup Calls'. This is to prevent Phase 7 from being served when not in Preempt.

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.

The changes listed above ties all phases and overlaps to flasher unit 1.

OVERLAP PROGRAMMING DETAIL FOR DEFAULT PHASING

(program controller as shown below)

THEN '1' (VEHICLE OVERLAP SETTINGS). PAGE 1: VEHICLE OVERLAP 'A' SETTINGS 12345678910111213141516 VEH OVL PARENTS: | X 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 FLASH COLORS: _ RED _ YELLOW X GREEN **←** NOTICE SFLECT VEHICLE OVERLAP OPTIONS: (Y/N) GREEN FLASH YELLOW IN CONTROLLER FLASH?...Y FLASH GREEN EXTENSION (0-255 SEC)..... YELLOW CLEAR (0=PARENT,3-25.5 SEC)..0.0 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0 OUTPUT AS PHASE # (0=NONE, 1-16)....0 PRESS '+' PAGE 1: VEHICLE OVERLAP 'B' SETTINGS 12345678910111213141516 VEH OVL PARENTS: ΧХ VEH OVL PARENTS: | X 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 FLASH COLORS: _ RED _ YELLOW X GREEN **←** NOTICE SELECT VEHICLE OVERLAP OPTIONS: (Y/N) GREEN FLASH YELLOW IN CONTROLLER FLASH?...N FLASH

FROM MAIN MENU PRESS '8' (OVERLAPS),

GREEN EXTENSION (0-255 SEC).....

YELLOW CLEAR (0=PARENT,3-25.5 SEC)..0.0

RED CLEAR (0=PARENT, 0.1-25.5 SEC)...0.0

PRESS '+'

OUTPUT AS PHASE # (0=NONE, 1-16)....0

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

PROJECT REFERENCE NO.

R-3822/U-5725

SIG. 5

OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: Ø4-1435 DESIGNED: FEBRUARY 2018 SEALED: 6/12/2018 REVISED: N/A

Electrical Detail - Sheet 2 of 4

750 N.Greenfield Pkwy,Garner,NC 27529

ELECTRICAL AND PROGRAMMING NC 125 DETAILS FOR: Prepared For: PREPARED BY: SP PENNINGTON | REVIEWED BY: SIGNATURES COMPLETED SEAL 032607 6/12/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIG. INVENTORY NO. 04-1435

AMERICAN LEGION ROAD DIVISION 4 HALIFAX COUNTY ROANOKE RAPIDS PLAN DATE: FEBRUARY 2018 REVIEWED BY: SL PHILLIPS INIT. DATE

PLANS PREPARED IN THE OFFICE OF: Kimley » Horn NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601

(919) 677-2000

(program controller as shown below)

FLASHER CIRCUIT MODIFICATION DETAIL

3. Remove flasher unit 2.