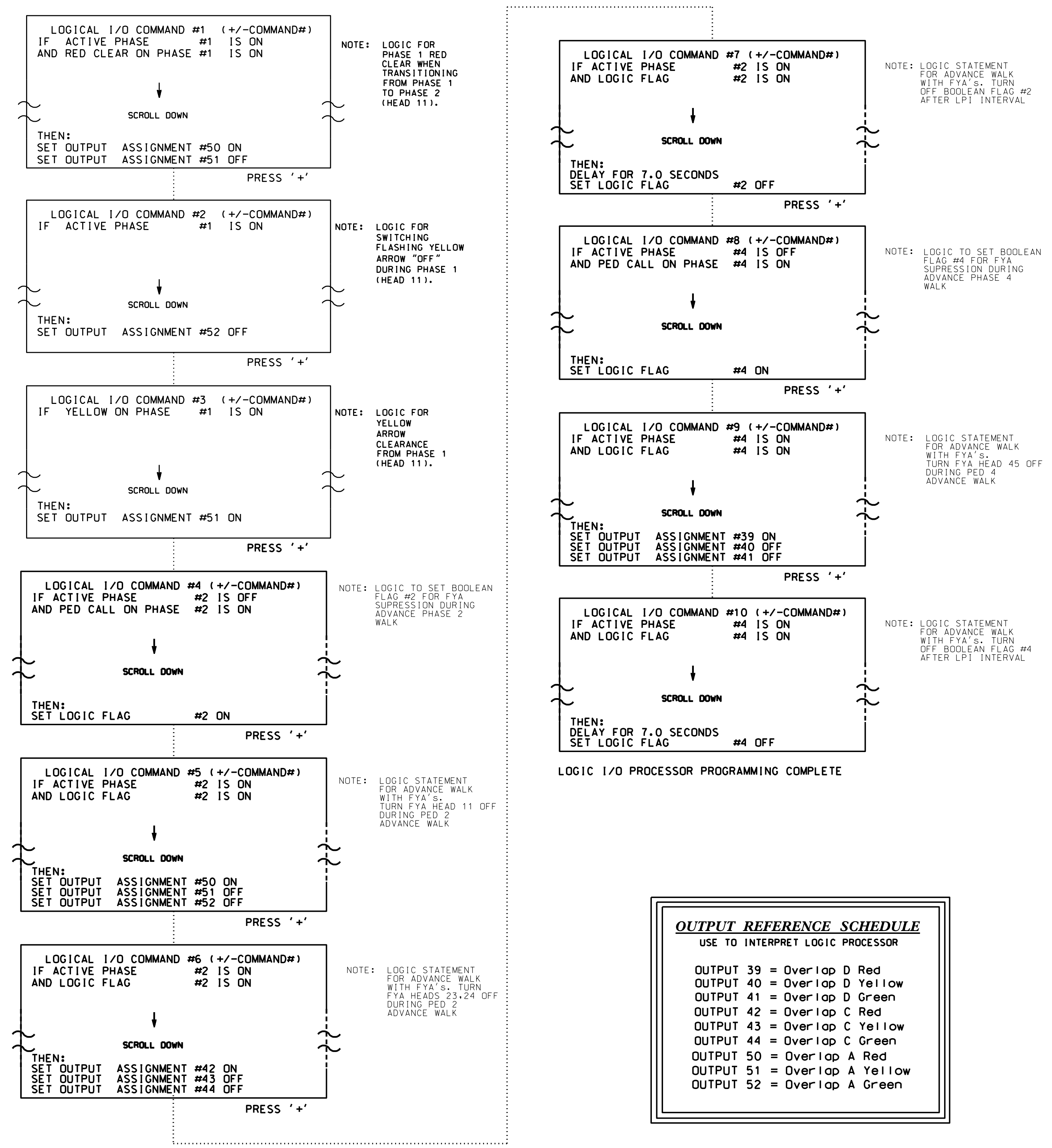


LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE

(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, 9, AND 10.
2. FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



| OUTPUT REFERENCE SCHEDULE | |
|----------------------------------|------------------|
| USE TO INTERPRET LOGIC PROCESSOR | |
| OUTPUT 39 = | Overlap D Red |
| OUTPUT 40 = | Overlap D Yellow |
| OUTPUT 41 = | Overlap D Green |
| OUTPUT 42 = | Overlap C Red |
| OUTPUT 43 = | Overlap C Yellow |
| OUTPUT 44 = | Overlap C Green |
| OUTPUT 50 = | Overlap A Red |
| OUTPUT 51 = | Overlap A Yellow |
| OUTPUT 52 = | Overlap A Green |

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING COORDINATION - SELECT ALL PAGE CHANGES (AS SHOWN BELOW) WITHIN COORDINATION PLAN PROGRAMMING.

TO RUN ALT. PHASING DURING FREE RUN - PROGRAM PAGE CHANGES (SHOWN BELOW) IN SEPARATE TIME OF DAY EVENTS. IF PAGE 1 IS USED, NO EVENT PROGRAMMING IS NECESSARY FOR THAT PARTICULAR PAGE.

| PHASING | INPUTS PAGE | OVERLAPS PAGE |
|---|-------------|---------------|
| ACTIVE PAGES REQUIRED TO RUN <u>DEFAULT PHASING</u> | 1 | 1 |
| ACTIVE PAGES REQUIRED TO RUN <u>ALTERNATE PHASING</u> | 2 | 2 |

IMPORTANT: IF ALT. PHASING IS USED DURING FREE RUN AND COORDINATION, DO NOT OPERATE TIME OF DAY PAGE CHANGE EVENTS CONCURRENTLY WITH COORDINATION PLAN EVENTS IN THE EVENT SCHEDULER. (EX. FREE RUN PAGE CHANGE EVENT SHOULD END BEFORE COORDINATION PLAN EVENT STARTS AND VICE-VERSA).

ALTERNATE PHASING PAGE CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN THESE OVERLAP/INPUT PAGE CHANGES ACTIVATE TO CALL THE "ALTERNATE PHASING":

OVERLAPS PAGE 2: Modifies overlap parent phases for heads 11 to run protected turns only.

INPUTS PAGE 2: Disables phase 6 call on loop 1A and reduces delay time for phase 1 call on loop 1A to 0 seconds.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0822
 DESIGNED: May 2025
 SEALED: 07/07/2025
 REVISED: N/A

Project #: 230907

DAVENPORT
 HOME OFFICE:
 119 BROOKSTOWN AVENUE, SUITE PH1
 WINSTON-SALEM, NC 27101
 336.744.1636 www.davenportworld.com
 NCBELS FIRM LICENSE NO. C-2622

Electrical Details - Sheet 3 of 6

| | | |
|--|---|---|
| 750 N. Greenfield Pkwy, Garner, NC 27529 | NC 53 (Western Boulevard) at SR 2714 (Jacksonville Parkway)/ Gateway North Jacksonville, ON | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL LORI M. BOYER ENGINEER 030912 |
| | ELECTRICAL AND PROGRAMMING DETAILS FOR: PREPARED BY: J. Dollarhite REVIEWED BY: L. Boyer | PLAN DATE: May 2025 REVIEWED BY: L. Boyer DIVISION 03 Onslow County Jacksonville REVISIONS: _____ INIT. DATE _____ SIGNED BY: <i>Lori M. Boyer</i> 07/07/2025 SIGNATURE: _____ DATE: _____ SIG. INVENTORY NO. 03-0822 |