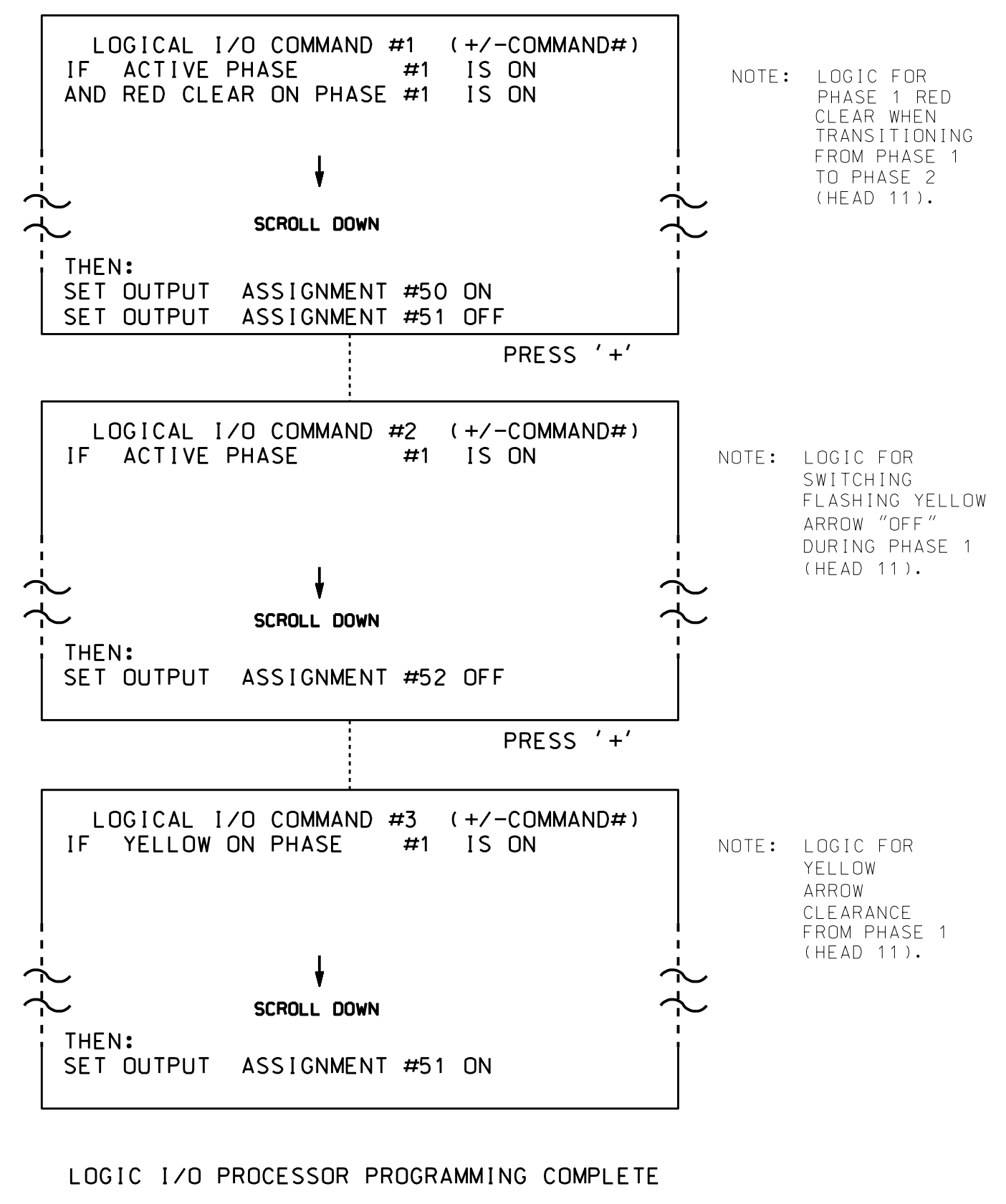## LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

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      #1  IS ON
AND RED CLEAR ON PHASE #1  IS ON


        SCROLL DOWN

THEN:
SET OUTPUT  ASSIGNMENT #50 ON
SET OUTPUT  ASSIGNMENT #51 OFF
                        PRESS '+'
```
NOTE: LOGIC FOR PHASE 1 RED CLEAR WHEN TRANSITIONING FROM PHASE 1 TO PHASE 2 (HEAD 11).

```
LOGICAL I/O COMMAND #2  (+/-COMMAND#)
IF  ACTIVE PHASE      #1  IS ON


        SCROLL DOWN

THEN:
SET OUTPUT  ASSIGNMENT #52 OFF
                        PRESS '+'
```
NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 1 (HEAD 11).

```
LOGICAL I/O COMMAND #3  (+/-COMMAND#)
IF  YELLOW ON PHASE   #1  IS ON


        SCROLL DOWN

THEN:
SET OUTPUT  ASSIGNMENT #51 ON
```
NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 1 (HEAD 11).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

OUTPUT REFERENCE SCHEDULE

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
  PHASE:        1234567891011121314 1516
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
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```
◄── NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

▽ OVERLAP PROGRAMMING DETAIL

FOR ALTERNATE PHASING

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS),
THEN '1' (VEHICLE OVERLAP SETTINGS).
PRESS 'NEXT' TO ADVANCE TO PAGE 2.

NOTICE PAGE 2 ──►
```
PAGE 2: VEHICLE OVERLAP 'A' SETTINGS
  PHASE:        1234567891011121314 1516
VEH OVL PARENTS:X
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  _ GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```

OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0929
DESIGNED: January 2016
▽ SEALED: 2-16-16
REVISED: N/A

Electrical Detail - Sheet 2 of 4

REVISION ▽ SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
036880
ENGINEER
KEITH M. MIMS

DocuSigned by:
Keith M. Mims
3-03-16
SIGNATURE   DATE

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared In the Offices of:

Transportation Mobility and Safety Division
DEPT OF TRANSPORTATION
Signals Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

NC 133 (Castle Hayne Road)
at
I-140-US 17 EB Ramps

Division 03	New Hanover County	Wilmington
PLAN DATE: September 2009	REVIEWED BY:	T. Joyce
PREPARED BY: S. Armstrong	REVIEWED BY:	

REVISIONS	INIT.	DATE
▽ Added alternate phasing and updated overlap programming.(JP	KMM	3-03-16

SIG. INVENTORY NO. 03-0929