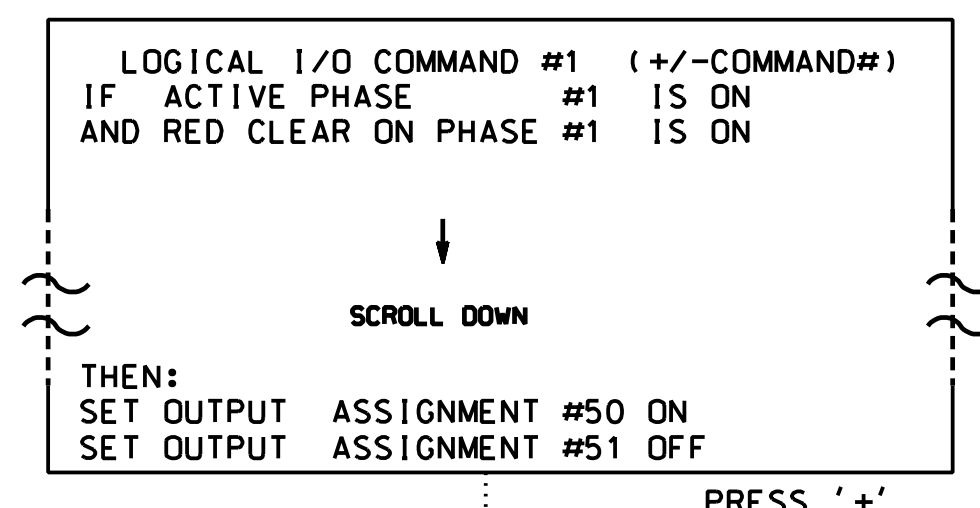


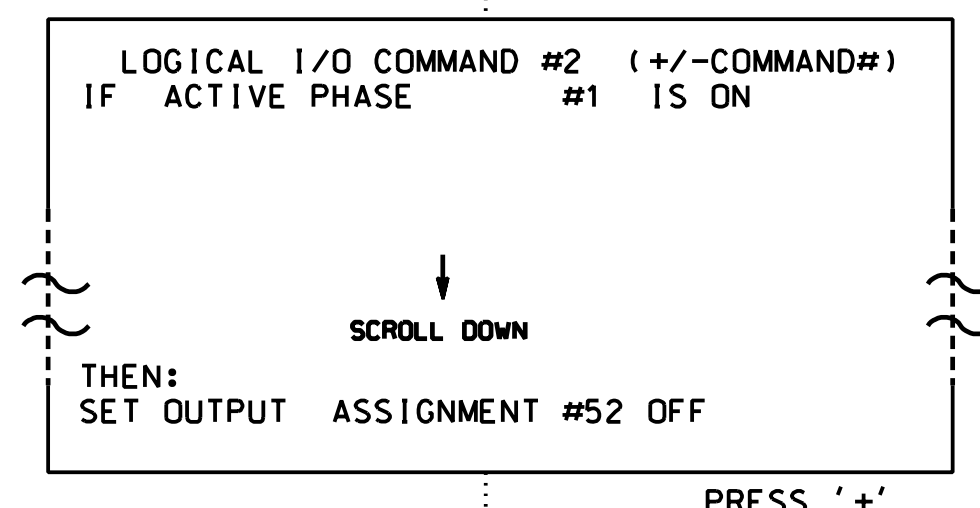
### LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE

(program controller as shown below)

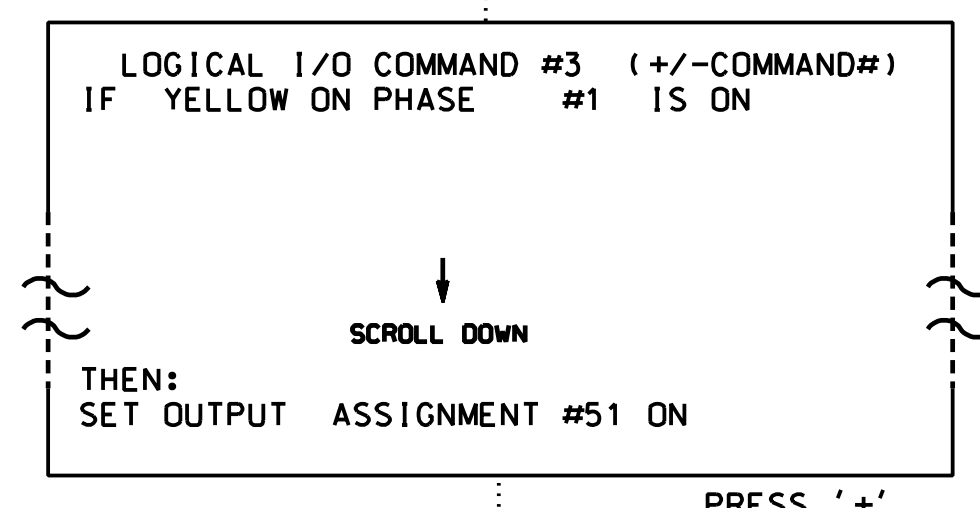
- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1, 2, 3, 4, 5, 6, 7, AND 8.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).



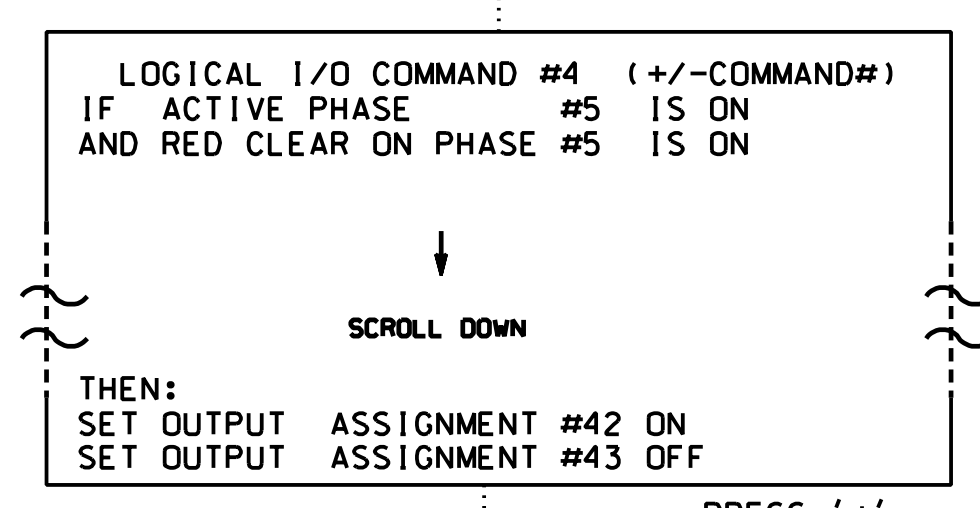
NOTE: LOGIC FOR PHASE 1 RED CLEAR WHEN TRANSITIONING FROM PHASE 1 TO PHASE 2 (HEAD 11).



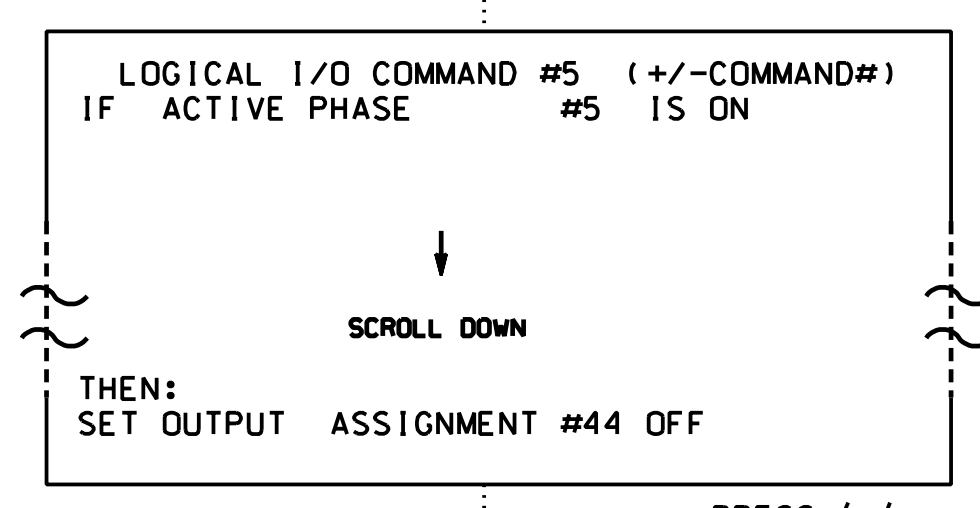
NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW OFF DURING PHASE 1 (HEAD 11).



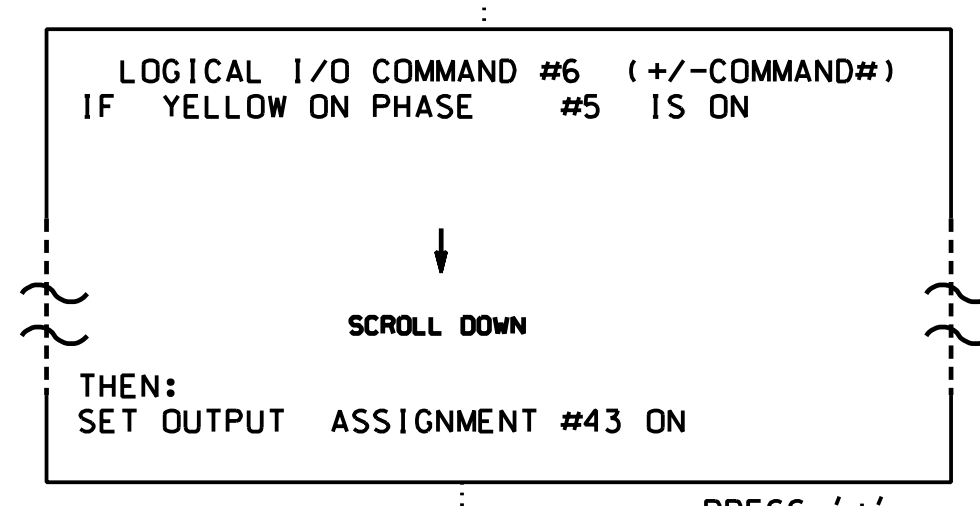
NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 1 (HEAD 11).



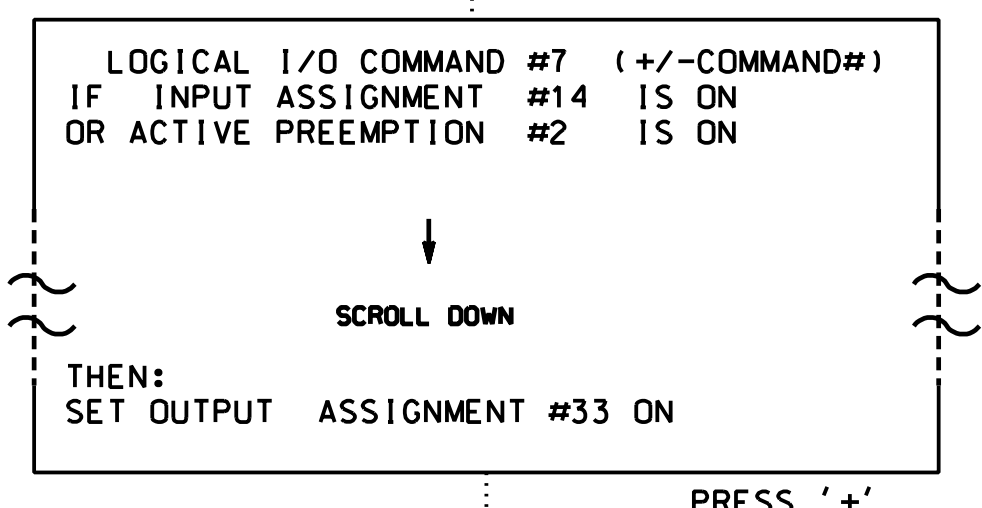
NOTE: LOGIC FOR PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 TO PHASE 6 (HEAD 51).



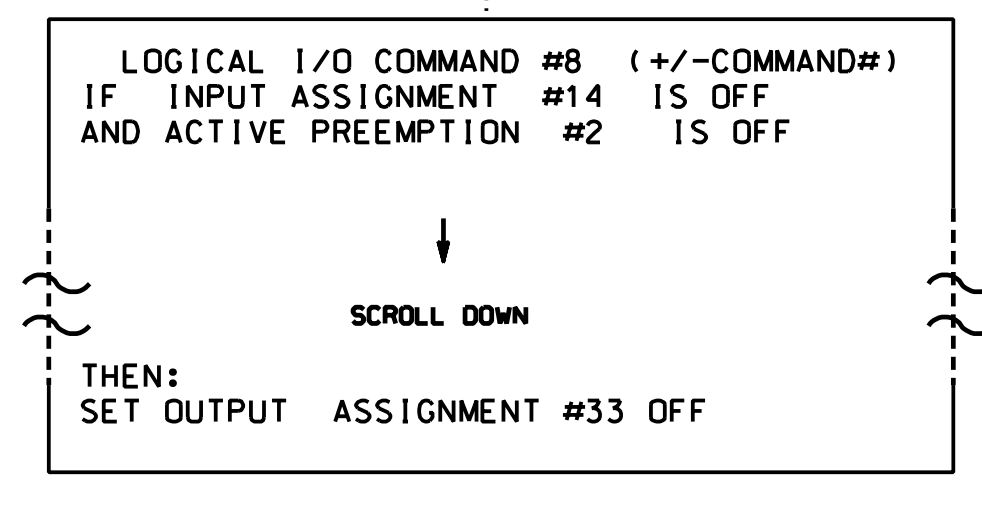
NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW OFF DURING PHASE 5 (HEAD 51).



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



NOTE: FIRE STATION PILOT LAMP LOGIC



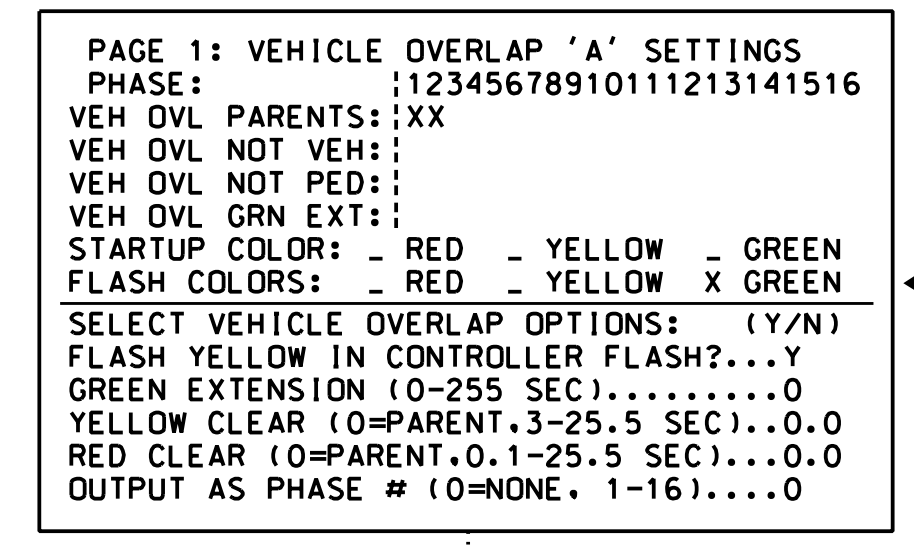
NOTE: FIRE STATION PILOT LAMP LOGIC

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

### OVERLAP PROGRAMMING DETAIL

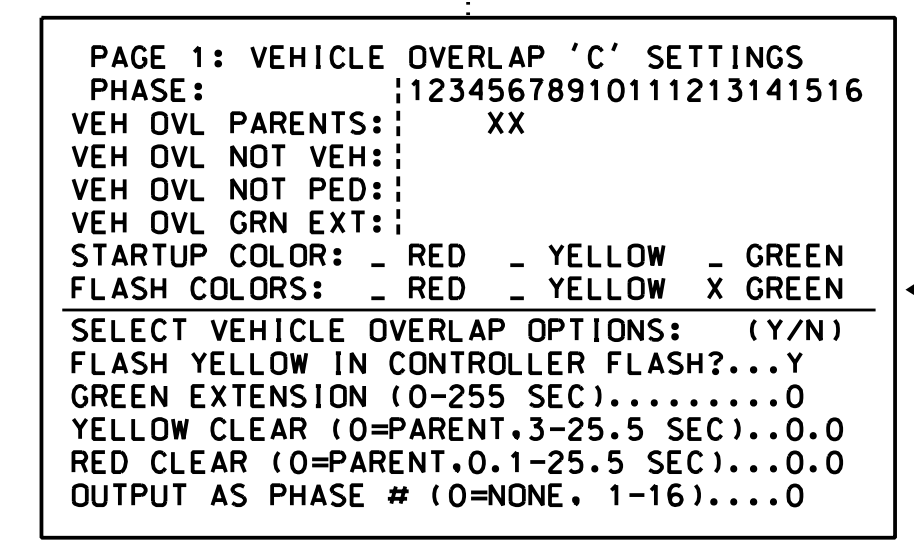
(program controller as shown below)

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



NOTICE GREEN FLASH

PRESS '+' TWICE



NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

#### OUTPUT REFERENCE SCHEDULE

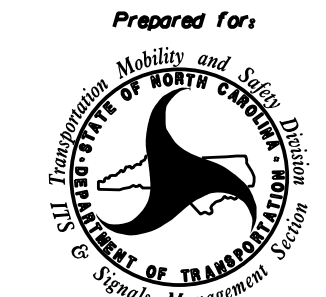
USE TO INTERPRET LOGIC PROCESSOR

- INPUT 14 = Preempt 2 Input
- OUTPUT 33 = Phase 2 Ped Yellow
- 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


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0190  
DESIGNED: March 2018  
SEALED: 12-7-18  
REVISED: N/A

Electrical Detail - Sheet 2 of 3  
Signal Upgrade

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for:  
  
 HNTB  
 750 N. Greenfield Pkwy, Corner, NC 27529

US 70 Business (E Main St) at SR 1735 (Cunningham Boulevard)/ Annunciation Catholic School		
Division 02	Craven Co. Havelock	
PLAN DATE: March 2018	REVIEWED BY: A.D. Klinksiek	
PREPARED BY: A.H. Thornburg	REVIEWED BY: N.R. Simmons	
REVISIONS	INIT.	DATE

SEAL  
  
 SEAL 031464  
 NATASHA R. SIMMONS  
 ENGINEER  
 DocuSigned by:  
 Natasha R. Simmons  
 12/7/2018  
 DATE  
 SIG. INVENTORY NO. 02-0190