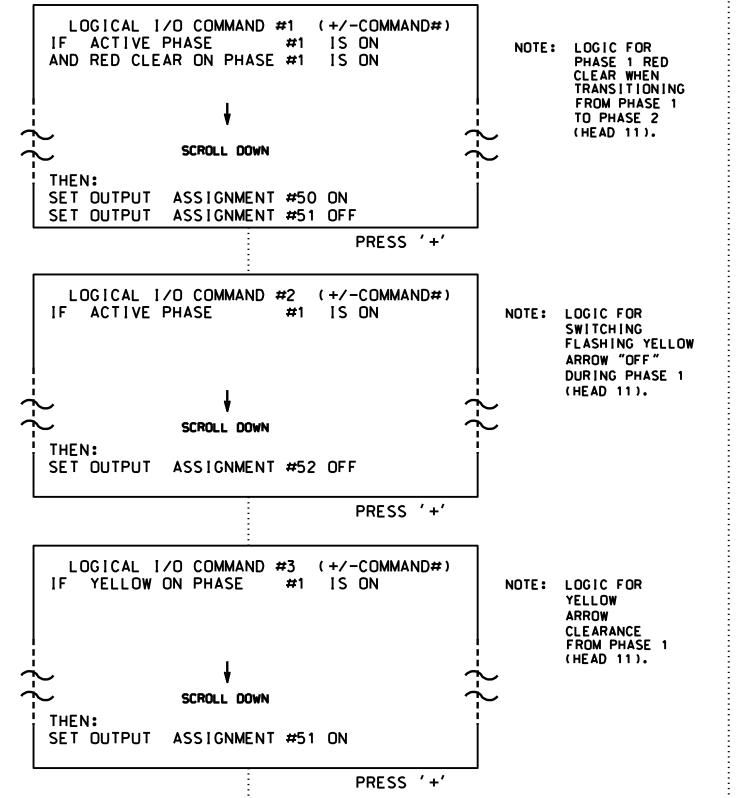
(program controller as shown below)

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 AND 6.

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



LOGICAL I/O COMMAND #4 (+/-COMMAND#) IF ACTIVE PHASE #5 IS ON NOTE: LOGIC FOR AND RED CLEAR ON PHASE #5 IS ON PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 (HEAD 51). SCROLL DOWN SET OUTPUT ASSIGNMENT #42 ON SET OUTPUT ASSIGNMENT #43 OFF PRESS '+' LOGICAL I/O COMMAND #5 (+/-COMMAND#) NOTE: LOGIC FOR IF ACTIVE PHASE #5 IS ON SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEAD 51). SCROLL DOWN

SET OUTPUT ASSIGNMENT #44 OFF

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

PRESS '+' LOGICAL I/O COMMAND #6 (+/-COMMAND#) IF YELLOW ON PHASE #5 IS ON NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 5 (HEAD 51). SCROLL DOWN SET OUTPUT ASSIGNMENT #43 ON

OUTPUT\_REFERENCE SCHEDULE

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

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' as needed to advance to Preempts 3.4.5 and 6.

PREEMPTION #3 SETTINGS (NEXT:1-10) INTERVAL/TIMING : CLEAR/DWELL PHASES GRN YEL RED | 12345678910111213141516 1 255 0.0 0.0 ; X X 2 0 0.0 0.0 3 0 0.0 0.0 4 0 0.0 0.0 5 1 0.0 0.0 ¦ X X EXIT CALLS OPTIONS PRIORITY (Y/N TO SELECT) .....MED DELAY TIMER (0-255 SEC) ...... MIN GREEN BEFORE PRE (O= DEFAULT)....1 PED CLEAR BEFORE PRE (O= DEFAULT)....O YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0 RED CLEAR BEFORE PRE (0= DEFAULT)....0.0 DWELL MIN TIMER (0-255 SEC) .....12 DWELL MAX TIMER (0=OFF.1-255MIN) ....2 DWELL HOLD-OVER TIMER (0-255) .....0 LATCH CALL? .....N LINK TO NEXT PREEMPT? ...... ENABLE BACKUP PROTECTION? .....N HOLD CLEAR 1 PHASES DURING DELAY? ...N FAST GREEN FLASH DWELL PHASES? .....N PED CLEARANCE THROUGH YELLOW? .....N INHIBIT OVERLAP GREEN EXTENSION? ....N SERVICE DURING SOFTWARE FLASH? .....N REST IN RED DURING DWELL INTERVAL? ...N FLASH DWELL INTERVAL? .....N ALLOW PEDS IN DWELL INTERVAL? .....N RE-TIME DWELL INTERVAL? ..... OVERLAPS: **ABCDEFGHIJKLMNOP** DWELL INT FLASH YELLOW OMIT OVERLAPS:

PRESS 'NEXT'

PREEMPTION #4 SETTINGS (NEXT:1-10) INTERVAL/TIMING : CLEAR/DWELL PHASES GRN YEL RED | 12345678910111213141516 1 255 0.0 0.0 ¦X X 2 0 0.0 0.0 3 0 0.0 0.0 4 0 0.0 0.0 5 1 0.0 0.0 X X EXIT CALLS OPTIONS PRIORITY (Y/N TO SELECT) .....MED DELAY TIMER (0-255 SEC) ...... MIN GREEN BEFORE PRE (O= DEFAULT)....1 PED CLEAR BEFORE PRE (O= DEFAULT)....O YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0 RED CLEAR BEFORE PRE (0= DEFAULT)....0.0 DWELL MIN TIMER (0-255 SEC) .....12 DWELL MAX TIMER (0=OFF.1-255MIN) ....2 DWELL HOLD-OVER TIMER (0-255) .....0 LATCH CALL? .....N LINK TO NEXT PREEMPT? ..... ENABLE BACKUP PROTECTION? ..... HOLD CLEAR 1 PHASES DURING DELAY? ...N FAST GREEN FLASH DWELL PHASES? .....N PED CLEARANCE THROUGH YELLOW? .....N INHIBIT OVERLAP GREEN EXTENSION? ....N SERVICE DURING SOFTWARE FLASH? .....N REST IN RED DURING DWELL INTERVAL? .. N FLASH DWELL INTERVAL? ..... ALLOW PEDS IN DWELL INTERVAL? .....N RE-TIME DWELL INTERVAL? ...... OVERLAPS: ABCDEFGHIJKLMNOP DWELL INT FLASH YELLOW OMIT OVERLAPS:

PRESS 'NEXT'

Project #: 230907

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PROJECT REFERENCE NO. U-5789

Sig 1 3

PREEMPTION #5 SETTINGS (NEXT:1-10) INTERVAL/TIMING : CLEAR/DWELL PHASES GRN YEL RED | 12345678910111213141516 1 255 0.0 0.0 ; X 2 0 0.0 0.0 3 0 0.0 4 0 0.0 0.0 ; 5 1 0.0 0.0 ¦ X EXIT CALLS OPTIONS PRIORITY (Y/N TO SELECT) .....MED DELAY TIMER (0-255 SEC) ...... MIN GREEN BEFORE PRE (O= DEFAULT)....1 PED CLEAR BEFORE PRE (0= DEFAULT)....0 YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0 RED CLEAR BEFORE PRE (0= DEFAULT)....0.0 DWELL MAX TIMER (0=OFF.1-255MIN) ....2 DWELL HOLD-OVER TIMER (0-255) .....0 LATCH CALL? .....N LINK TO NEXT PREEMPT? .....N ENABLE BACKUP PROTECTION? .....N HOLD CLEAR 1 PHASES DURING DELAY? ...N FAST GREEN FLASH DWELL PHASES? .....N PED CLEARANCE THROUGH YELLOW? .....N INHIBIT OVERLAP GREEN EXTENSION? ....N SERVICE DURING SOFTWARE FLASH? .....N REST IN RED DURING DWELL INTERVAL? .. N FLASH DWELL INTERVAL? .....N ALLOW PEDS IN DWELL INTERVAL? .....N RE-TIME DWELL INTERVAL? .....N OVERLAPS: | ABCDEFGHIJKLMNOP DWELL INT FLASH YELLOW OMIT OVERLAPS:

PRESS 'NEXT'

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PREEMPTION #6 SETTINGS (NEXT:1-10) INTERVAL/TIMING ; CLEAR/DWELL PHASES GRN YEL RED | 12345678910111213141516 255 0.0 0.0 ; X 2 0 0.0 0.0 ; 3 0 0.0 0.0 4 0 0.0 0.0 ; 5 1 0.0 0.0 ¦ X EXIT CALLS OPTIONS PRIORITY (Y/N TO SELECT) .....MED DELAY TIMER (0-255 SEC) ...... MIN GREEN BEFORE PRE (O= DEFAULT)....1 PED CLEAR BEFORE PRE (O= DEFAULT)....O YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0 RED CLEAR BEFORE PRE (O= DEFAULT)....O.O DWELL MIN TIMER (0-255 SEC) ...........7 DWELL MAX TIMER (0=OFF.1-255MIN) ....2 DWELL HOLD-OVER TIMER (0-255) .....0 LATCH CALL? .....N LINK TO NEXT PREEMPT? .....N ENABLE BACKUP PROTECTION? .....N HOLD CLEAR 1 PHASES DURING DELAY? ...N FAST GREEN FLASH DWELL PHASES? .....N PED CLEARANCE THROUGH YELLOW? .....N INHIBIT OVERLAP GREEN EXTENSION? ....N SERVICE DURING SOFTWARE FLASH? .....N REST IN RED DURING DWELL INTERVAL? .. N FLASH DWELL INTERVAL? .....N ALLOW PEDS IN DWELL INTERVAL? .....N RE-TIME DWELL INTERVAL? .....N OVERLAPS: | ABCDEFGHIJKLMNOP DWELL INT FLASH YELLOW OMIT OVERLAPS:

PROGRAMMING COMPLETE

Program extend time detector unit for 2.0 seconds.

Temporary Design; (TMP 4-5, 10-11, 16, 19-20, 25-26, 31-32) Electrical Detail - Sheet 2 of 6

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED LECTRICAL AND PROGRAMMIN SEAL NC 53 (Western Boulevard)

'50 N.Greenfield Pkwy,Garner,NC 27529

SR 2714 (Jacksonville Parkway), Gateway North Onslow County Jacksonville Division 3

PLAN DATE: April 2025 REVIEWED BY: L. Bover PREPARED BY: J Dollarhite RKA PROJ. NO.: REVISIONS

Lori M Boyer 07/07/2025 SIG. INVENTORY NO. 03-0822T

030912

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

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