

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

LOGICAL I/O COMMAND #1 (+/-COMMAND#)  
IF ACTIVE PHASE #5 IS ON  
AND RED CLEAR ON PHASE #5 IS ON

↓  
SCROLL DOWN

THEN:  
SET OUTPUT ASSIGNMENT #42 ON  
SET OUTPUT ASSIGNMENT #43 OFF

PRESS '+'

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

LOGICAL I/O COMMAND #2 (+/-COMMAND#)  
IF ACTIVE PHASE #5 IS ON

↓  
SCROLL DOWN

THEN:  
SET OUTPUT ASSIGNMENT #44 OFF

PRESS '+'

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

LOGICAL I/O COMMAND #3 (+/-COMMAND#)  
IF YELLOW ON PHASE #5 IS ON

↓  
SCROLL DOWN

THEN:  
SET OUTPUT ASSIGNMENT #43 ON

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

LOGICAL I/O COMMAND #4 (+/-COMMAND#)  
IF INPUT ASSIGNMENT #1 IS ON

↓  
SCROLL DOWN

THEN:  
SET INPUT ASSIGNMENT #64 OFF

PRESS '+'

NOTE: DETECTOR CONTACTS ARE CLOSED, SO NO CALL IS 'DETECTED'.

LOGICAL I/O COMMAND #5 (+/-COMMAND#)  
IF INPUT ASSIGNMENT #1 IS OFF

↓  
SCROLL DOWN

THEN:  
SET INPUT ASSIGNMENT #64 ON

NOTE: DETECTOR CONTACTS ARE OPEN, SO A CALL IS 'DETECTED'.

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).

PRESS '+' TWICE

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS

PHASE: 12345678910111213141516

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)...0.0

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

← NOTICE GREEN FLASH

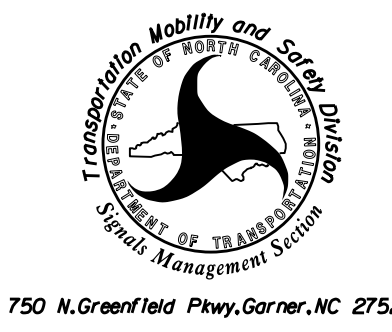
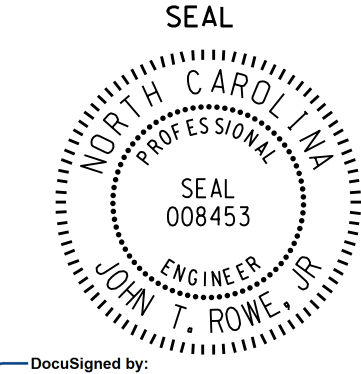
OVERLAP PROGRAMMING COMPLETE

### OUTPUT REFERENCE SCHEDULE

INPUT 1 = Detector Physical Input (Not Enabled)  
INPUT 64 = Dummy Detector Input (Detector 2)  
OUTPUT 42 = Overlap C Red  
OUTPUT 43 = Overlap C Yellow  
OUTPUT 44 = Overlap C Green

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 07-1592  
DESIGNED: March 2014  
SEALED: 4/1/2015  
REVISED: N/A

Electrical Detail - Sheet 2 of 3

<p>ELECTRICAL AND PROGRAMMING DETAILS FOR:</p> <p style="text-align: center;">Prepared In the Offices of:</p>  <p style="text-align: center;">750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p><b>SR 1486 (Greensboro Road)</b> at <b>I-74 WB/US 311 NB Ramps</b></p> <p>Division 7      Guilford County      ds      High Point</p> <p>PLAN DATE: May 2014      REVIEWED BY: JTR</p> <p>PREPARED BY: S. Armstrong      REVIEWED BY:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				<p>SEAL</p>  <p>DocuSigned by: <b>John T. Rowe, Jr.</b> 4/8/2015</p> <p>SIG. INVENTORY NO. 07-1592</p>
REVISIONS	INIT.	DATE						