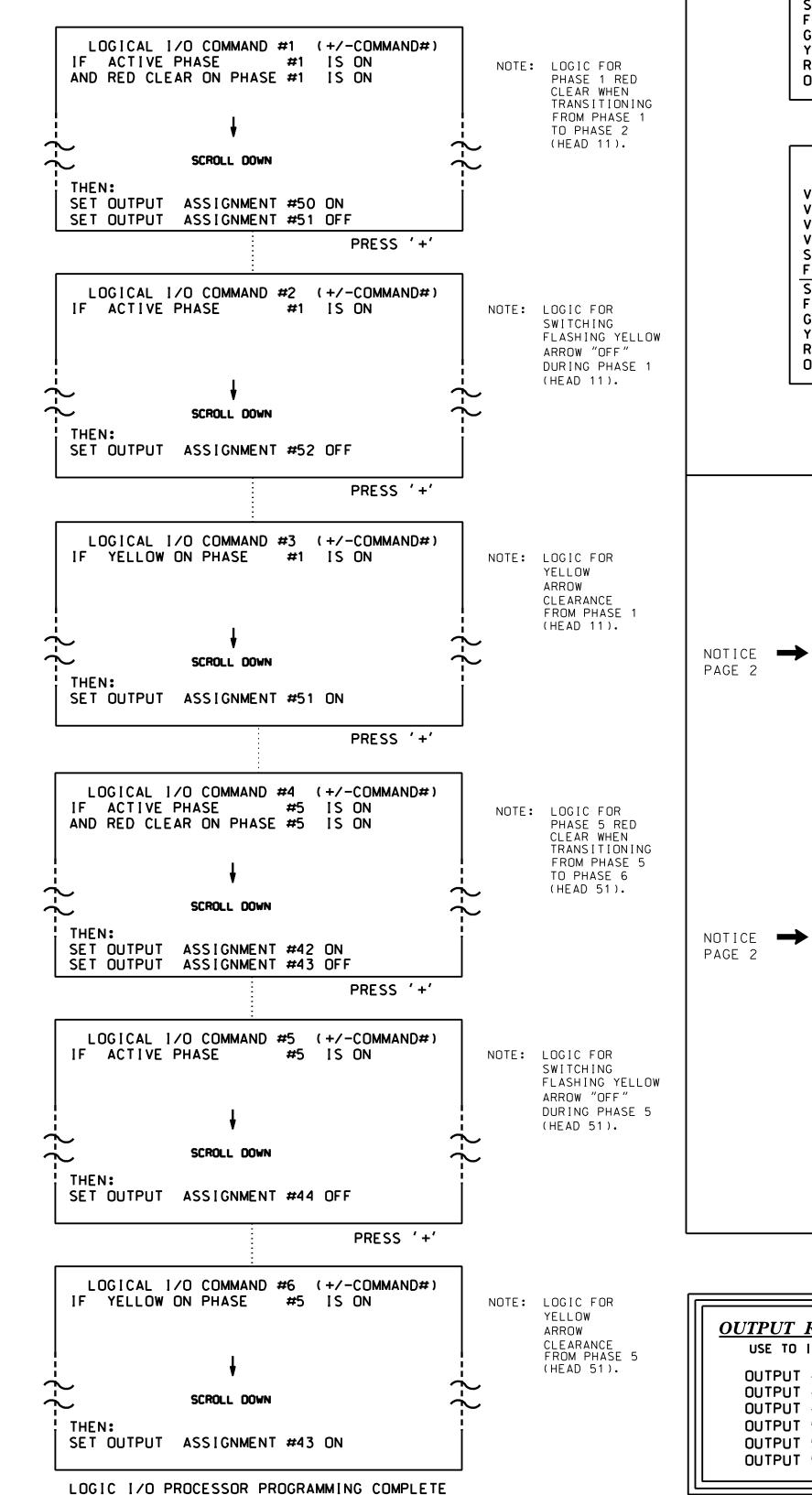
LOGICAL I/O PROCESSOR PROGRAMMING DETAIL

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



OVERLAP PROGRAMMING DETAIL FOR DEFAULT PHASING

(program controller as shown below)

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS ¦12345678910111213141516 VEH OVL PARENTS: | VEH OVL NOT VEH: ; VEH OVL NOT PED: VEH OVL GRN EXT: : STARTUP COLOR: _ RED _ YELLOW _ GREEN FLASH COLORS: _ RED _ YELLOW X GREEN **←** NOTICE **←** NOTICE SELECT VEHICLE OVERLAP OPTIONS: (Y/N) GREEN FLASH YELLOW IN CONTROLLER FLASH?...Y FLASH GREEN EXTENSION (0-255 SEC)..... YELLOW CLEAR (O=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 PRESS '+' PAGE 1: VEHICLE OVERLAP 'D' SETTINGS 12345678910111213141516 VEH OVL PARENTS: | XX VEH OVL NOT VEH: VEH OVL NOT PED: VEH OVL GRN EXT:: STARTUP COLOR: _ RED _ YELLOW _ GREEN **←** NOTICE FLASH COLORS: _ RED _ YELLOW X GREEN **←** NOTICE SELECT VEHICLE OVERLAP OPTIONS: (Y/N) GREEN FLASH YELLOW IN CONTROLLER FLASH?...N FLASH GREEN EXTENSION (0-255 SEC)..... YELLOW CLEAR (O=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 PRESS '+'

PAGE 1: VEHICLE OVERLAP 'E' SETTINGS 112345678910111213141516 PHASE: VEH OVL PARENTS: | X VEH OVL NOT VEH: 1 VEH OVL NOT PED: VEH OVL GRN EXT: ; STARTUP COLOR: _ RED _ YELLOW _ GREEN FLASH COLORS: _ RED _ YELLOW X GREEN ■ NOTICE GREEN SELECT VEHICLE OVERLAP OPTIONS: FLASH YELLOW IN CONTROLLER FLASH?...N FLASH GREEN EXTENSION (0-255 SEC)..... 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

PROJECT REFERENCE NO.

R-5021

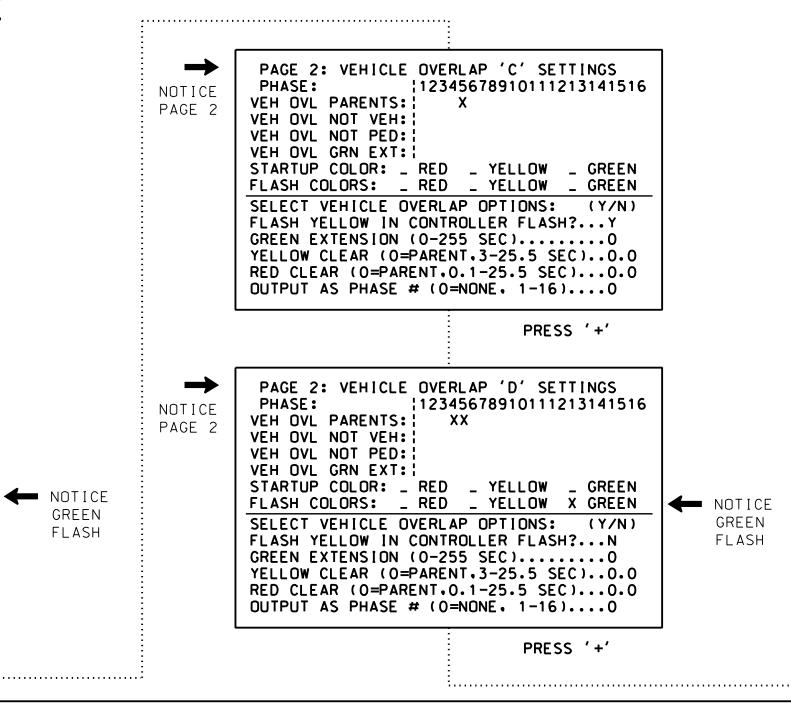
SHEET NO

Sig. 9

OVERLAP PROGRAMMING COMPLETE

OVERLAP PROGRAMMING DETAIL FOR ALTERNATE PHASING

(program controller as shown below)



PAGE 2: VEHICLE OVERLAP 'E' SETTINGS 12345678910111213141516 PHASE: VEH OVL PARENTS: X VEH OVL NOT VEH: : VEH OVL NOT PED: VEH OVL GRN EXT: : _ YELLOW _ GREEN STARTUP COLOR: _ RED FLASH COLORS: _ RED _ YELLOW X GREEN SELECT VEHICLE OVERLAP OPTIONS: (Y/N) FLASH YELLOW IN CONTROLLER FLASH?...N GREEN EXTENSION (0-255 SEC)...... YELLOW CLEAR (O=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

OVERLAP PROGRAMMING COMPLETE

OUTPUT REFERENCE SCHEDULE

USE TO INTERPRET LOGIC PROCESSOR

FROM MAIN MENU PRESS '8' (OVERLAPS).

THEN '1' (VEHICLE OVERLAP SETTINGS).

12345678910111213141516

PRESS '+'

PRESS '+'

12345678910111213141516

PRESS '+'

PRESS '+'

<u>| 12345678910111213141516</u>

FROM MAIN MENU PRESS '8' (OVERLAPS).

THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS 'NEXT' TO ADVANCE TO PAGE 2.

PAGE 2: VEHICLE OVERLAP 'A' SETTINGS

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).....0

OUTPUT AS PHASE # (0=NONE, 1-16)...0

PAGE 2: VEHICLE OVERLAP 'B' SETTINGS

STARTUP COLOR: _ RED _ YELLOW _ GREEN FLASH COLORS: _ RED _ YELLOW X GREEN

SELECT VEHICLE OVERLAP OPTIONS: (Y/N)

FLASH YELLOW IN CONTROLLER FLASH?...N

GREEN EXTENSION (0-255 SEC).....0

OUTPUT AS PHASE # (0=NONE, 1-16)....0

YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0

RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0

YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0

RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0

VEH OVL PARENTS: X

VEH OVL NOT VEH: :

VEH OVL NOT PED:

VEH OVL GRN EXT: :

VEH OVL PARENTS: X

VEH OVL NOT VEH: VEH OVL NOT PED: VEH OVL GRN EXT:

12345678910111213141516

GREEN

FLASH

GREEN

FLASH

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS

STARTUP COLOR: _ RED _ YELLOW _ GREEN

SELECT VEHICLE OVERLAP OPTIONS: (Y/N)

YELLOW CLEAR (O=PARENT.3-25.5 SEC)..0.0

RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0

FLASH YELLOW IN CONTROLLER FLASH?...Y

GREEN EXTENSION (0-255 SEC).....

OUTPUT AS PHASE # (0=NONE, 1-16)....0

PAGE 1: VEHICLE OVERLAP 'B' SETTINGS

STARTUP COLOR: _ RED _ YELLOW _ GREEN

FLASH COLORS: _ RED _ YELLOW X GREEN

SELECT VEHICLE OVERLAP OPTIONS: (Y/N)

YELLOW CLEAR (O=PARENT.3-25.5 SEC)..0.0

RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0

FLASH YELLOW IN CONTROLLER FLASH?...N

GREEN EXTENSION (0-255 SEC).....

OUTPUT AS PHASE # (0=NONE, 1-16)....0

FLASH COLORS: _ RED _ YELLOW X GREEN

VEH OVL PARENTS: | XX

VEH OVL PARENTS: | X

VEH OVL NOT VEH:

VEH OVL NOT PED: VEH OVL GRN EXT: :

VEH OVL NOT VEH: 1

VEH OVL GRN EXT: :

VEH OVL NOT PED:

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

HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 343 E. Six Forks Road, Suite 2
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

THIS ELECTRICAL DETAIL IS FOR

THE SIGNAL DESIGN: 03-1122

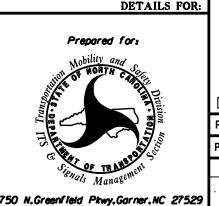
DESIGNED: June 2017

SEALED: 9/10/2021

REVISED: N/A

Electrical Detail - Sheet 2 of 6 New Installation

> **UNLESS ALL SIGNATURES COMPLETED** NC 906 (Midway Road) at TH CARO



Final Design

ELECTRICAL AND PROGRAMMIN

NC 211 Northbound Ramp/ Midway Commons Driveway

oivision 03 Brunswick Co Southport REVIEWED BY: A.D. Klinksiek June 2017 PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons

CACINEER DATE

SP OF ESSION A

GREEN

FLASH

(919) 546-8997

PLAN DATE:

PAGE 2

031464 REVISIONS INIT. DATE

SIG. INVENTORY NO. 03-1122

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