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      #5  IS ON
   AND RED CLEAR ON PHASE #5  IS ON

                  ↓
                SCROLL DOWN

   THEN:
   SET OUTPUT   ASSIGNMENT #42 ON
   SET OUTPUT   ASSIGNMENT #43 OFF
```
NOTE: LOGIC FOR PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 TO PHASE 6 (HEAD 51).

PRESS '+'

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

                  ↓
                SCROLL DOWN

   THEN:
   SET OUTPUT   ASSIGNMENT #44 OFF
```
NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEAD 51).

PRESS '+'

```
   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).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

OUTPUT REFERENCE SCHEDULE

OUTPUT 42 = Overlap C Red
OUTPUT 43 = Overlap C Yellow
OUTPUT 44 = Overlap C Green

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       ← NOTICE GREEN FLASH
SELECT VEHICLE OVERLAP OPTIONS:  (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC)........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
```
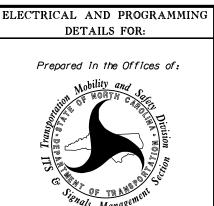
OVERLAP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 13-1227
DESIGNED: FEBRUARY 2019
SEALED: 02/05/2019
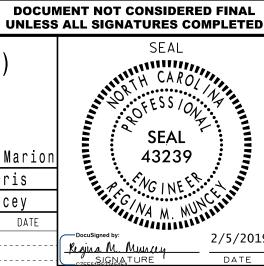REVISED: N/A

Final Design
Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SR 1001 (Sugar Hill Road)
at
I-40 Westbound Ramps

Division 13	McDowell County		Marion
PLAN DATE: January 2019	REVIEWED BY:	E D Harris	
PREPARED BY: G B Spell	REVIEWED BY:	R M Muncey	

REVISIONS		INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
43239
ENGINEER
REGINA M. MUNCEY

SIGNATURE
DATE 2/5/2019

SIG. INVENTORY NO. 13-1227

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