OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select `4-UNIT DATA`
2. From UNIT DATA Submenu select `3-OVERLAP DATA`

Use Up/Dn/Left/Right keys to position cursor on the desired Overlap. Use the NEXT key to select the overlap type. Press the ENT key and then program as per the Overlap screen(s) shown.

```
OVERLAP DATA

   A: ---   E: ---   I: ---   M: ---
   B: ---   F: ---   J: ---   N: ---
   C: FYA   G: ---   K: ---   O: ---
   D: STD   H: ---   L: ---   P: ---

 PREV/NEXT TO CYCLE
```

Press ESC

OVERLAP C

Use Up/Dn/Left/Right keys to position cursor on Overlap 'C', use the NEXT key to select 'FYA', then press ENT

```
FYA OVERLAP - C             MIN PERM:  1
     PHASES..12345678 90123456
PROT PHASES: 00001000 00000000  DELAY/10
PERM PHASES: 00000100 00000000   FYA:  0
-PED PHASES: 00000000 00000000  -PED: 30
   OVERLAPS..ABCDEFGH IJKLMNOP
PROT O-LAPS: 00x00000 00000000
PERM O-LAPS: 00x00000 00000000
```

← NOTICE FYA DELAY/10 = 0

Press ESC

OVERLAP D

Use Up/Dn/Left/Right keys to position cursor on Overlap 'D', use the NEXT key to select 'STD', then press ENT

```
OVERLAP - D       12345678 90123456
         PARENTS: 00010000 00000000
     +GRN PHASES: 00000000 00000000
     -G/Y PHASES: 00000000 00000000
     -PED PHASES: 00000000 00000000
 TRAIL GREEN STANDARD:   0  YEL/10:  40
 TRAIL GREEN  PREEMPT:   0  RED/10:  20
```

OVERLAP PROGRAMMING COMPLETE

REMOTE FLASH PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select `4-UNIT DATA`
2. From UNIT DATA Submenu select `2-FLASH`
3. From FLASH Submenu select `1-REMOTE FLASH SETTINGS`

```
REMOTE FLASH SETTINGS    TEST-A FLASH: 0

LDSW:123456789 0123456789 0123456789 012
FLSH:010010110 0000001100 0000000000 000
 ALT:010010100 0000001100 0000000000 000

0-DARK  1-RED  2-YELLOW  3-STEADY YELLOW
```

PRESS 'F' TO RETURN TO FLASH

4. From REMOTE FLASH Submenu select `2-REMOTE FLASH ENTRY/EXIT PHASES`

```
REMOTE FLASH  ENTRY/EXIT PHASES

     PHASES:  12345678 90123456
      ENTRY:  01000100 00000000
       EXIT:  01000100 00000000
```

REMOTE FLASH PROGRAMMING COMPLETE

ALL RED FLASH STARTUP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select `4-UNIT DATA`
2. From UNIT DATA Submenu select `1-STARTUP & MISC`

```
STARTUP & MISC
STARTUP TIME.:  6 (SEC) STATE: 2 (0-FL
RED REV/10...: 40 (TSEC)          1-RED
AUTO PED CLR.:  0 (0-NO 1-YES)    2-RAF)
STOP T RESET.:  0 (0-NO 1-YES)
SEQUENCE.....:  1 (1-19)
SPECIAL SEQ  :  0 (SEE HELP)
```

STARTUP PROGRAMMING COMPLETE

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select `3-PHASE DATA`
2. From PHASE DATA Submenu select `4-INIT & N.A. RESP+`

```
PHASE......1...2...3...4...5...6...7...8
 INITIAL   0   4   0   1   1   4   0   0
 NA RESP   0   1   0   2   0   1   0   0
 UPDT GRN  0   0   0   0   0   0   0   0
CODES....0...1...2...3...4...5...6
 INIL   NONE INACT RED YEL GRN DRK G/DW
 NA RSP NONE  NA1  NA2 1&2 --- --- ---
                                    ***
```

← Notice phases 1,3,7 & 8 not used!

INIT & N.A. RESP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0309T3
DESIGNED: January 2026
SEALED: 04/13/2026
REVISED: N/A

Electrical Detail - (TMP Phase 4) - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

I-40 EB Ramp
at
SR 1007 (Lenoir Rhyne Blvd. SE)

Division 12 Catawba County Hickory

Prepared in the Offices of:
Transportation Mobility and Safety Division
ITS & Signals Management Section
State of North Carolina Department of Transportation
750 N. Greenfield Pkwy, Garner, NC 27529

PLAN DATE: April 2026	REVIEWED BY:
PREPARED BY: Tim Langston	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce 04/14/2026
A90CADEDBD4241D...
DATE

SIG. INVENTORY NO. 12-0309T3