PROJECT REFERENCE NO.	SHEET NO.
U-5302	Sig. 18.3

PROGRAMMING DETAILS TO CALL ALTERNATE PHASING

To run the Alternate phasing, schedule a Day Plan that calls an Action that is programmed to enable Phase Function 1.

Actions can be programmed to run free run or call a coordination pattern.

PHASE FUNCTION MAPPING PROGRAMMING DETAIL

(program controller as shown below)

Step 1 - Assign OVERLAP A OMIT and OVERLAP C OMIT to Phase Function 1.

1. From Main Menu select `6-TIME BASE DATA`
2. From TIME BASE DATA Submenu select `9-PHS FUNC MAPPING`

Use Up/Dn Keys to position cursor on NUM 1

```
TIME BASE PHS FUNC MAPING
                PHS FUNC SEL(0-OFF/1-ON)
 NUM..P-FUNCT NAME.....123456789 0123456
   1  PHS-01 MAX # 2   000000000 0000000
   2  PHS-02 MAX # 2   000000000 0000000
   3  PHS-03 MAX # 2   000000000 0000000
   4  PHS-04 MAX # 2   000000000 0000000
 UP/DOWN TO SCROLL                E-EDIT
```

BEFORE PROCEEDING, SCROLL THRU ENTIRE RANGE OF FUNCTIONS TO ENSURE ALL P-FUNCT 1 NUM x VALUES ARE SET TO '0' (OFF)

Use Up/Dn/Left/Right keys to position cursor on NUM 145 and program P-FUNCT 1 as shown.

```
TIME BASE PHS FUNC MAPPING
                PHS FUNC SEL(0-OFF/1-ON)
 NUM..P-FUNCT NAME.....123456789 0123456
 145  OVERLAP A OMIT   100000000 0000000
 146  OVERLAP B OMIT   000000000 0000000
 147  OVERLAP C OMIT   100000000 0000000
 148  OVERLAP D OMIT   000000000 0000000
 UP/DOWN TO SCROLL                E-EDIT
```

SET P-FUNCT 1 VALUE TO '1' (ON) AS SHOWN FOR OVERLAP A OMIT & OVERLAP C OMIT

PHASE FUNCTION PROGRAMMING COMPLETE

TIME BASE ACTIONS PROGRAMMING

(program controller as shown below)

Step 2 - Set up an Action to run Phase Function 1.

1. From Main Menu select `6-TIME BASE DATA`
2. From TIME BASE DATA Submenu select `5-ACTIONS`

```
TIME BASE ACTION # ***
                   123456789 0123456
  PATN:001     PHS: 100000000 0000000
   0=I'CONN    AUX: 000-----
   1-253=PATN  SPC: 0000000-     0=NO
   254=FREE    DIM: 0-------     1=YES
   255=FLASH   DET: 000-----
 UP/DOWN TO SCROLL                E-EDIT
```

NOTICE PHASE 1

SPECIAL FUNCTION PROGRAMMING COMPLETE

*** Action #(s) are to be determined by the Division and/or City Traffic Engineer and are scheduled to run in Day Plan(s).

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1714T1
DESIGNED: February 2025
SEALED: 3/27/2025
REVISED: N/A

Electrical Detail - Temporary Design 1 (TMP Phases I & II) - Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

US 401 (Fayetteville Road)
at
Annaron Court

Division 5 | Wake County | Raleigh

PLAN DATE: March 2025 | REVIEWED BY:
PREPARED BY: Tim Langston | REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of:

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
ITS & Signals Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce 03/28/2025
ASCAC0DB0D4A1D... DATE

SIG. INVENTORY NO. 05-1714T1

28-MAR-2025 08:50
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