PROJECT REFERENCE NO.	SHEET NO.
U-5302	Sig. 21.3

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

Step 1 - Assign OMIT OVERLAP A 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 'O' (OFF)

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

```
TIME BASE PHS FUNC MAPING
                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   000000000 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

PHASE FUNCTION PROGRAMMING COMPLETE

TIME BASE ACTIONS PROGRAMMING

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 # ***
                     12345678 90123456
  PATN:001      PHS: 10000000 00000000
   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
```

← NOTICE PHS 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: 05-0602
DESIGNED: November 2024
SEALED: 3/25/2025
REVISED: N/A

Electrical Detail - Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

Traffic Engineering Mobility and Safety Division & Signals Management Section
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

750 N.Greenfield Pkwy,Garner,NC 27529

SR 1006 (Old Stage Road)
at
SR 2720 (Grovemont Road)

Division 5 | Wake County | Raleigh

PLAN DATE: March 2025 | REVIEWED BY:
PREPARED BY: Zarrar Zafar | REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce — A90CACDF0B0D41D... 03/26/2025 DATE

SIG. INVENTORY NO. 05-0602

26-MAR-2025 13:07
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