PROGRAMMING DETAILS TO CALL ALTERNATE PHASING

To run the Default phasing where the FYA runs protected and permitted turns and the Blankout sign is not enabled, schedule a Day Plan that calls an Action that is programmed to enable Phase Function 1. To run the Alternate Phasing where the FYA heads 63 and 64 run protected turns only and the Blankout sign is enabled, schedule a Day Plan that calls an Action that is programmed to enable Phase Function 2.

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 2 and OMIT OVERLAP E 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 MAPPING
                   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 & 2
NUM x VALUES ARE SET
TO '0' (OFF)

Use Up/Dn/Left/Right keys to position cursor on NUM 145 and program P-FUNCT 2 & on NUM 149 to 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   010000000 0000000   ← P-FUNC 2 = 1 (OVERLAP 'A' OMIT)
146  OVERLAP B OMIT   000000000 0000000
147  OVERLAP C OMIT   000000000 0000000
148  OVERLAP D OMIT   000000000 0000000
149  OVERLAP E OMIT   100000000 0000000   ← P-FUNC 1 = 1 (OVERLAP 'E' OMIT)
UP/DOWN TO SCROLL              E-EDIT
```

PHASE FUNCTION PROGRAMMING COMPLETE

TIME BASE ACTIONS PROGRAMMING

Step 2 - Set up Actions to run Phase Functions.

1. From Main Menu select 6 - TIME BASE DATA

2. From TIME BASE DATA Submenu select 5 - ACTIONS

For any Action that will run during the Default Phasing period:

```
TIME BASE ACTION # ***
                    12345678 90123456
  PATN:001      PHS: 10000000 00000000    ← NOTICE
  0=I'CONN      AUX: 000-----                PHS 1
  1-253=PATN    SPC: 0000000-     0=NO
  254=FREE      DIM: 0-------     1=YES
  255=FLASH     DET: 000-----
UP/DOWN TO SCROLL
```
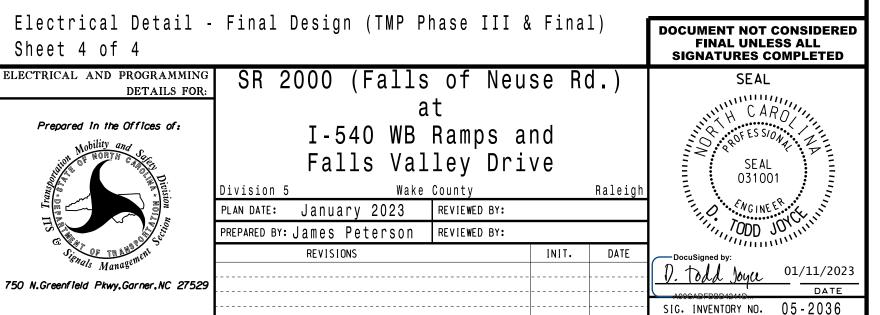
For any Action that will run during the Alternate Phasing period:

```
TIME BASE ACTION # ***
                    12345678 90123456
  PATN:001      PHS: 01000000 00000000    ← NOTICE
  0=I'CONN      AUX: 000-----                PHS 2
  1-253=PATN    SPC: 0000000-     0=NO
  254=FREE      DIM: 0-------     1=YES
  255=FLASH     DET: 000-----
UP/DOWN TO SCROLL
```

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).

PHASE FUNCTION OPERATION		
Phasing Period	Default	Alternate
Phase Function 1	ENABLED	DISABLED
Phase Function 2	DISABLED	ENABLED
Blankout Sign	OFF	OPERATIONAL
FYA Operation	PROT/PERM	PROT ONLY

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-2036
DESIGNED: January 2023
SEALED: 01-03-23
REVISED: N/A

Electrical Detail - Final Design (TMP Phase III & Final)
Sheet 4 of 4

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

750 N.Greenfield Pkwy,Garner,NC 27529

SR 2000 (Falls of Neuse Rd.)
at
I-540 WB Ramps and
Falls Valley Drive

Division 5	Wake County	Raleigh
PLAN DATE: January 2023	REVIEWED BY:	
PREPARED BY: James Peterson	REVIEWED BY:	

REVISIONS		INIT.	DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
031001
ENGINEER
TODD JOYCE

DocuSigned by:
D. Todd Joyce   01/11/2023
DATE

SIG. INVENTORY NO. 05-2036