

## 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 runs 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(O-OFF/1-DN)
NUM..P-FUNCT NAME.....123456789 0123456
1  PHS-01 MAX # 2  00000000 00000000
2  PHS-02 MAX # 2  00000000 00000000
3  PHS-03 MAX # 2  00000000 00000000
4  PHS-04 MAX # 2  00000000 00000000
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 1 & as shown.

```

TIME BASE PHS FUNC MAPPING
      PHS FUNC SEL(O-OFF/1-DN)
NUM..P-FUNCT NAME.....123456789 0123456
145 OVERLAP A OMIT  01000000 00000000
146 OVERLAP B OMIT  00000000 00000000
147 OVERLAP C OMIT  00000000 00000000
148 OVERLAP D OMIT  00000000 00000000
148 OVERLAP E OMIT  10000000 00000000
UP/DOWN TO SCROLL          E-EDIT
    
```

← P-FUNCT 2 = 1 (OVERLAP 'A' OMIT)

← P-FUNCT 1 = 1 (OVERLAP 'E' OMIT)

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
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

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

```

TIME BASE ACTION # ***
                    12345678 90123456
PATN:001          PHS: 01000000 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 2

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: 05-2036T2  
DESIGNED: February 2022  
SEALED: 2/22/2022  
REVISED: N/A

Electrical Detail - Temp 2 (TMP Phase II) - Sheet 3 of 4

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: February 2022 REVIEWED BY:  
PREPARED BY: S. Armstrong REVIEWED BY:

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

SEAL  
  
 Ryan W. Hough  
 03/07/2022  
 SIG. INVENTORY NO. 05-2036T2