OVERLAP PROGRAMMING DETAIL

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

 PREV/NEXT TO CYCLE
```

OVERLAP A

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

```
FYA OVERLAP - A          DELAY/10:   0
       PHASES..12345678 90123456
  PERM PHASES: 00010000 00000000
  PROT PHASES: 00000100 00000000
  -PED PHASES: 00000000 00000000
     OVERLAPS..ABCDEFGH IJKLMNOP
PERM OVERLAPS: x0000000 00000000
PROT OVERLAPS: x0000000 00000000
```

NOTICE DELAY/10 = 0

Press ESC

OVERLAP B

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

```
OVERLAP - B       12345678 90123456
         PARENTS: 10000000 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
```

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          DELAY/10:   0
       PHASES..12345678 90123456
  PERM PHASES: 01000000 00000000
  PROT PHASES: 00100000 00000000
  -PED PHASES: 00000000 00000000
     OVERLAPS..ABCDEFGH IJKLMNOP
PERM OVERLAPS: x0000000 00000000
PROT OVERLAPS: x0000000 00000000
```

NOTICE DELAY/10 = 0

OVERLAP D

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

```
OVERLAP - D       12345678 90123456
         PARENTS: 00001000 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
```

Press ESC

OVERLAP E

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

```
OVERLAP - E       12345678 90123456
         PARENTS: 00111000 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 G

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

```
OVERLAP - G       12345678 90123456
         PARENTS: 00000100 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 H

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

```
OVERLAP - H       12345678 90123456
         PARENTS: 00100000 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
```

END OVERLAP PROGRAMMING

PED DETECTOR ASSIGNMENT PROGRAMMING TO ASSIGN PHASE 3 TO PED DETECTOR 8

1. From Main Menu select `3 - PHASE DATA`
2. From PHASE DATA Submenu select `7 - DETECTOR DATA`
3. From DETECTOR DATA Submenu select `9-PED 1-8`
4. From DETECTOR CONFIG DATA Submenu select `8-PEDESTRIAN DET 8+`

ASSIGN PHASE 3
TO DETECTOR 8

```
PED DET 8     PHASE 12345678 90123456
 ASSIGNED PHASES....00100000 00000000
 SWITCH PHASES......00000000 00000000
   MODE    1    CALL   1    EXT/10   0
   VOLUME  0    PASS   0    DLY/10   0
   OCCUPY  0    ADDED  0    FAIL   255
   LOCK    0    QUEUE  0    QLIMIT   0
                                    [1]
```

PED DETECTOR PROGRAMMING COMPLETE

ADVANCE WALK PED PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select `3 - PHASE DATA`
2. From PHASE DATA Submenu select `3 - PEDESTRIAN DATA`
3. From DETECTOR DATA Submenu select `3 - PED OFFSET +`

```
PHASE......1...2...3...4...5...6...7...8
 WOFF/10   0  40  40   0   0   0   0   0
 MODE*     0   0   0   0   0   0   0   0


CODES:* 0=ADVANCE  1=DELAY
```

Advance Walk PED programming complete.

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 2 of 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

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

Prepared in the Offices of: ITS & Signals Management Section, Transportation Mobility and Safety Division, State of North Carolina Department of Transportation
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SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031001 D. TODD JOYCE

DocuSigned by: D. Todd Joyce 01/11/2023
A90CADFDBD4241D...
DATE

SIG. INVENTORY NO. 05-2036

11-JAN-2023 13:44
S:*ITS&SU*ITS Signals*Workgroups*Sig Man*Peterson*052036_sm_ele_20220307.dgn
jtpeterson