PROJECT REFERENCE NO.	SHEET NO.
HS-2005G	Sig. 2.2

OVERLAP PROGRAMMING DETAIL

1. From Main Menu select 4 - UNIT DATA
2. From UNIT DATA Submenu select 3 - OVERLAP DATA

```
OVERLAP DATA

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

 PREV/NEXT TO CYCLE
```

Press ESC

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: 01000000 00000000
  PROT PHASES: 10000000 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 'FYA', then press ENT

```
FYA OVERLAP - B          DELAY/10:   0
       PHASES..12345678 90123456
  PERM PHASES: 00010000 00000000
  PROT PHASES: 00100000 00000000
  -PED PHASES: 00000000 00000000
     OVERLAPS..ABCDEFGH IJKLMNOP
PERM OVERLAPS: 0x000000 00000000
PROT OVERLAPS: 0x000000 00000000
```

NOTICE DELAY/10 = 0

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: 00000100 00000000
  PROT PHASES: 00001000 00000000
  -PED PHASES: 00000000 00000000
     OVERLAPS..ABCDEFGH IJKLMNOP
PERM OVERLAPS: 00x00000 00000000
PROT OVERLAPS: 00x00000 00000000
```

NOTICE DELAY/10 = 0

Press ESC

OVERLAP D

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

```
FYA OVERLAP - D          DELAY/10:   0
       PHASES..12345678 90123456
  PERM PHASES: 00000001 00000000
  PROT PHASES: 00000010 00000000
  -PED PHASES: 00000000 00000000
     OVERLAPS..ABCDEFGH IJKLMNOP
PERM OVERLAPS: 000x0000 00000000
PROT OVERLAPS: 000x0000 00000000
```

NOTICE DELAY/10 = 0

END OVERLAP PROGRAMMING

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 PEDESTRIAN DATA Submenu select 3 - PED OFFSET+

```
PHASE......1...2...3...4...5...6...7...8
 WOFF/10   0   0   0  60   0  40   0   0
 MODE      0   0   0   0   0   0   0   0


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

Advance Walk PED programming complete.

ACCESSIBLE PEDESTRIAN SIGNAL (APS) INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

INIT & N.A. RESP PROGRAMMING DETAIL

1. From Main Menu select 3 - PHASE DATA
2. From PHASE DATA Submenu select 4 - INIT & N.A RESP

Note Phases 3 and 7 NOT used! →

```
PHASE......1...2...3...4...5...6...7...8...
 INITIAL    1   6   0   1   1   6   0   1
 NA RESP    0   1   0   2   0   1   0   2

CODES.....0....1....2....3....4....5...6
 INITL  NONE INACT RED  YEL  GRN  DRK G/DW
 NA RSP NONE  NA1  NA2  1&2  ---  --- ---
                                        ***
```

INIT & N.A. RESP PROGRAMMING COMPLETE

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

This plan supersedes the plan signed and sealed on 6/1/2021.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1780
DESIGNED: February 2024
SEALED: 02/27/2024
REVISED: N/A

Electrical Detail - Sheet 2 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 2215 (Buffaloe Road)
at
SR 2214 (Southall Road)/
Brintons Cottage Street

Division 5 | Wake County | Raleigh

PLAN DATE: February 2024 | REVIEWED BY:

PREPARED BY: S.Kirkpatrick | REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of:

Transportation Mobility and Safety Division
Traffic Engineering & Safety Systems Branch
Signal Management Section
DEPARTMENT OF TRANSPORTATION
750 N.Greenfield Pkwy.Garner,NC 27529

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036833 ENGINEER RYAN W. HOUGH

DocuSigned by:
Ryan W. Hough 02/27/2024
A3D3DEAA2D5D4C1... DATE

SIG. INVENTORY NO. 05-1780

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