PROJECT REFERENCE NO.	SHEET NO.
U-5302	Sig. 21.2

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: ---   I: ---   M: ---
   B: STD   F: ---   J: ---   N: ---
   C: ---   G: ---   K: ---   O: ---
   D: ---   H: ---   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              MIN PERM: 1
       PHASES..12345678 90123456
  PROT PHASES: 10000000 00000000  DELAY/10
  PERM PHASES: 01000000 00000000   FYA:  0
  -PED PHASES: 00000000 00000000  -PED: 30
     OVERLAPS..ABCDEFGH IJKLMNOP
  PROT O-LAPS: x0000000 00000000
  PERM O-LAPS: 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

```
OVERLAP - B        12345678 90123456
          PARENTS: 10000001 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

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu, press '3' (Phase Data)

```
PHASE MENU

 1-VEHICLE DATA            6-SPEC. SEQUENCE+
 2-DENSITY TIMES+          7-DETECTOR DATA
 3-PEDESTRIAN DATA         8-PHASE & BANK COPY
 4-INIT & N.A. RESP+       9-SELECT PHASE BANK
 5-N.LOCK & MISC+

  '+' DENOTES BANKABLE DATA
```

PHASE	1	2	3	4	5	6	7	8
INITIAL	1	4	0	1	0	4	0	1
NA RESP	0	1	0	2	0	1	0	2
UPDT GRN	0	0	0	0	0	0	0	0

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

INIT & N.A. RESP PROGRAMMING COMPLETE

REMOTE FLASH PROGRAMMING DETAIL

(program controller as shown below)

1. From Main Menu select [4 - UNIT DATA]
2. From UNIT DATA Submenu select [2 - REMOTE FLASH]
3. From FLASH Submenu select [1 - FLASH SETTINGS]

```
FLASH SETTINGS          TEST-A AS FLASH: 0

LDSW:   123456789 0123456789 0123456789 012
 FLSH:  110010010 0101100000 0000000000 000
  ALT:  010010000 0000000000 0000000000 000

0-DARK   1-RED   2-YELLOW  3-STEADY YELLOW
```

PRESS 'F' TO RETURN TO FLASH

4. From REMOTE FLASH Submenu select [2 - ENTRY/EXIT PHASES]

```
FLASH ENTRY/EXIT PHASES

      PHASES:  12345678 90123456
       ENTRY:  01000100 00000000
        EXIT:  01000100 00000000
```

REMOTE FLASH PROGRAMMING COMPLETE

ALL RED FLASH STARTUP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 4 (UNIT DATA)

```
UNIT DATA                    PRESS # DESIRED

 1- STARTUP & MISC            6 -  ALT SEQUENCES
 2- REMOTE FLASH              7- PORT 1 DATA
 3- OVERLAP STANDARD          8- I/O MISC
 4- OVERLAP SPECIAL           9- SIG DRV OUT
 5- RING STRUCTURE
                                        F- PRIOR MENU
```

```
STARTUP  &  MISC
STARTUP  TIME . :  6 (SEC) STATE:  2  (0-FL
RED   REV/10 . . . : 40 (TSEC)            1-RED)
AUTO  PED CLR . :  0 (0-NO  1-YES)        2-RAF)
STOP  T RESET . :  0 (0-NO  1-YES)
SEQUENCE . . . . . :  1 (1-19)
SPECIAL SEQ      :  0 (SEE HELP)
A-UP B-DN C-LT D-RT E-ENTER F-PRIOR MENU
```

STARTUP PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-0602
DESIGNED: November 2024
SEALED: 3/25/2025
REVISED: N/A

Electrical Detail - Sheet 2 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

Transportation Mobility and Safety Division
Traffic Engineering Branch
Signal Management Section
STATE OF 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 03/26/2025
A99CADEDBDD42A1D... DATE

SIG. INVENTORY NO. 05-0602

26-MAR-2025 13:05
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zafar