Docusign Envelope ID: EFF8A1FE-DDBC-4645-B7E4-7BBB1FE0CB7F

PROJECT REFERENCE NO.	SHEET NO.
U-5777	Sig. 11.3

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

SELECT 7-PREEMPT DATA FROM MAIN MENU

- PREEMPT 3 -

```
PREEMPTS

1-PREEMPT 1    5-PREEMPT 5    9-PREEMPT 9
2-PREEMPT 2    6-PREEMPT 6    A-PREEMPT 10
3-PREEMPT 3    7-PREEMPT 7    B-PREEMPT 11
4-PREEMPT 4    8-PREEMPT 8    C-PREEMPT 12

O-OVERRIDES          D-DEFAULT DATA
```

```
PREEMPT 3

1-MISCELLANEOUS     4-PEDEST. STATUS
2-INTERVAL TIMES    5-OVERLAP STATUS
3-VEHICLE STATUS
```

```
PREEMPT 3 MISC DATA                TEST:  0
DET:  250  DELAY:  0  MXCAL:120  DB/10: 0
NLOCK:  0  EXTND:  0  L OUT:  0  SRMOD: 0
LINK#:  0  DURAT:  0  GATE :  0  R2C  : 0
 PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
  EXIT    0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
  CALLS   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

select F - return to Preempt 3 menu
select 2 - Interval Times

```
PREEMPT 3 INTERVAL TIMES
 MIN GRN:  1  MIN WLK:  1  DWL GRN:   7
              EXT PED:  0
 --SELECT---  ---TRACK---  ---RETURN--
               GREEN :  0
 PED CLR: 24  PED CLR:  0  PED CLR:   0
 YEL/10 :  0  YEL/10 :  0  YEL/10 :   0
 RED/10 :  0  RED/10 :  0  RED/10 :   0
```

select F - return to Preempt 3 menu
select 3 - Vehicle Status

```
PREEMPT 3 VEHICLE STATUS
PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
 TRK GRN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 DWELL   0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
 (0-RED.1-GRN.2-FLR.3-FLY.4-DARK.5-FLG)
 CYCLE   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
    (0-NO..1-ACT..2-MIN REC..3-MX REC)
```

select F - return to Preempt Data menu
select 5 - Overlap Status

```
PREEMPT 3 OVERLAP STATUS
PHASE....A.B.C.D.E.F.G.H.I.J.K.L.M.N.O.P
 TRK GRN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 DWELL   0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 CYCLE   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(0-R.1-G.2-FR.3-FY.4-DK.5-FG (0-NO.1-ACT)
 TRAIL   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

NOTE: Option 4 is not used. Be sure values are set at default=0.

end of programming

- PREEMPT 4 -

```
PREEMPTS

1-PREEMPT 1    5-PREEMPT 5    9-PREEMPT 9
2-PREEMPT 2    6-PREEMPT 6    A-PREEMPT 10
3-PREEMPT 3    7-PREEMPT 7    B-PREEMPT 11
4-PREEMPT 4    8-PREEMPT 8    C-PREEMPT 12

O-OVERRIDES          D-DEFAULT DATA
```

```
PREEMPT 4

1-MISCELLANEOUS     4-PEDEST. STATUS
2-INTERVAL TIMES    5-OVERLAP STATUS
3-VEHICLE STATUS
```

```
PREEMPT 4 MISC DATA                TEST:  0
DET:  251  DELAY:  0  MXCAL:120  DB/10: 0
NLOCK:  0  EXTND:  0  L OUT:  0  SRMOD: 0
LINK#:  0  DURAT:  0  GATE :  0  R2C  : 0
 PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
  EXIT    0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
  CALLS   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

select F - return to Preempt 4 menu
select 2 - Interval Times

```
PREEMPT 4 INTERVAL TIMES
 MIN GRN:  1  MIN WLK:  1  DWL GRN:  10
              EXT PED:  0
 --SELECT---  ---TRACK---  ---RETURN--
               GREEN :  0
 PED CLR:  0  PED CLR:  0  PED CLR:   0
 YEL/10 :  0  YEL/10 :  0  YEL/10 :   0
 RED/10 :  0  RED/10 :  0  RED/10 :   0
```

select F - return to Preempt 4 menu
select 3 - Vehicle Status

```
PREEMPT 4 VEHICLE STATUS
PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
 TRK GRN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 DWELL   0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 (0-RED.1-GRN.2-FLR.3-FLY.4-DARK.5-FLG)
 CYCLE   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
    (0-NO..1-ACT..2-MIN REC..3-MX REC)
```

select F - return to Preempt Data menu

NOTE: Options 4 & 5 are not used.
Be sure values are set at default=0.

- PREEMPT 5 -

```
PREEMPTS

1-PREEMPT 1    5-PREEMPT 5    9-PREEMPT 9
2-PREEMPT 2    6-PREEMPT 6    A-PREEMPT 10
3-PREEMPT 3    7-PREEMPT 7    B-PREEMPT 11
4-PREEMPT 4    8-PREEMPT 8    C-PREEMPT 12

O-OVERRIDES          D-DEFAULT DATA
```

```
PREEMPT 5

1-MISCELLANEOUS     4-PEDEST. STATUS
2-INTERVAL TIMES    5-OVERLAP STATUS
3-VEHICLE STATUS
```

```
PREEMPT 5 MISC DATA                TEST:  0
DET:  252  DELAY:  0  MXCAL:120  DB/10: 0
NLOCK:  0  EXTND:  0  L OUT:  0  SRMOD: 0
LINK#:  0  DURAT:  0  GATE :  0  R2C  : 0
 PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
  EXIT    0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
  CALLS   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

select F - return to Preempt 5 menu
select 2 - Interval Times

```
PREEMPT 5 INTERVAL TIMES
 MIN GRN:  1  MIN WLK:  1  DWL GRN:  10
              EXT PED:  0
 --SELECT---  ---TRACK---  ---RETURN--
               GREEN :  0
 PED CLR:  8  PED CLR:  0  PED CLR:   0
 YEL/10 :  0  YEL/10 :  0  YEL/10 :   0
 RED/10 :  0  RED/10 :  0  RED/10 :   0
```

select F - return to Preempt 5 menu
select 3 - Vehicle Status

```
PREEMPT 5 VEHICLE STATUS
PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
 TRK GRN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 DWELL   0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
 (0-RED.1-GRN.2-FLR.3-FLY.4-DARK.5-FLG)
 CYCLE   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
    (0-NO..1-ACT..2-MIN REC..3-MX REC)
```

select F - return to Preempt 5 menu

NOTE: Options 4 & 5 are not used.
Be sure values are set at default=0.

PROGRAM EXTEND TIME ON OPTICAL DETECTOR UNITS FOR 2.0 SEC.

PEDESTRIAN RECALLS

(program controller as shown below)

From the 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 & NA RESP+     9-SELECT PHASE BANK
5-N.LOCK & MISC+
'+' DENOTES BANKABLE DATA                [1]
```

```
PEDESTRIAN MENU

1-PED TIMES+
2-PED RECALL+
3-PED OFFSET+
4-MISC PED OPTIONS+

                                         [1]
```

```
 PHASE....1...2...3...4...5...6...7...8
 PED RCL   0   0   0   0   0   2   0   2
 PED DLY   0   0   0   0   0   0   0   0

CODES.....0....1....2....3....4
        NONE  1CALL PED  NA   NA+

                                         [1]
```

PED RECALL PROGRAMMING COMPLETE

VEHICLE RECALLS

(program controller as shown below)

From the 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 & NA RESP+     9-SELECT PHASE BANK
5-N.LOCK & MISC+
'+' DENOTES BANKABLE DATA                [1]
```

```
VEHICLE DATA

1-VEHICLE TIMES+
2-DYNAMIC MAX+
3-RECALLS+
4-BIKE & AWS TIMES+

                                         [1]
```

```
 PHASE....1...2...3...4...5...6...7...8
 VEH RCL   0   3   0   3   0   3   0   3
 VEH DLY   0   0   0   0   0   0   0   0

CODES.....0....1....2....3....4....5....
        NONE  1CALL MIN  MAX SOFT BIKE

                                         [1]
```

VEH RECALL PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0954T4
DESIGNED: October 2023
SEALED: 09/06/2024
REVISED: N/A

Signal Upgrade-
Electrical Detail - Sheet 3 of 3
(Construction Phase 2, Step 2)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HNTB NORTH CAROLINA, P.C.
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Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for: Transportation Mobility and Safety Division, State of North Carolina, Department of Transportation, ITS & Signals Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

NC 127 SE
at
SR 1692 (1st Ave SE)

Division 12 Catawba County Hickory

PLAN DATE:	January 2024	REVIEWED BY:	N.K. Vlanich
PREPARED BY:	E.E. Tiller	REVIEWED BY:	N.R. Simmons

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 031464 ENGINEER NATASHA R. SIMMONS

DocuSigned by: Natasha R. Simmons 9/6/2024
SIGNATURE DATE

SIG. INVENTORY NO. 12-0954T4

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