PROJECT REFERENCE NO.	SHEET NO.
W-5705R	Sig. 3

FLASHING YELLOW ARROW PROTECTED/PERMISSIVE SEQUENCE for OVERLAPS "A" "B" "C" & "D"

(program controller as shown below)

FROM MAIN MENU PRESS 4 (UNIT DATA)

```
SE-PAC 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
```

PRESS "B" ONCE

DO NOT enter any OVL PHASES! →

```
SE-PAC OVERLAP - A              (0-NO/1-YES)

 OVL PHASES:  000000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  000000000 0001000000 00000

A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

PRESS "B" ONCE

DO NOT enter any OVL PHASES! →

```
SE-PAC OVERLAP - B              (0-NO/1-YES)

 OVL PHASES:  000000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  000000000 0000100000 00000

A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

PRESS "B" ONCE

DO NOT enter any OVL PHASES! →

```
SE-PAC OVERLAP - C              (0-NO/1-YES)

 OVL PHASES:  000000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  000000000 0000010000 00000

A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

PRESS "B" ONCE

DO NOT enter any OVL PHASES! →

```
SE-PAC OVERLAP - D              (0-NO/1-YES)

 OVL PHASES:  000000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  000000000 0000001000 00000

A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

OVERLAP PROGRAMMING COMPLETE

PRESS 'F' TO RETURN TO UNIT DATA

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

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

```
SE-PAC PHASE DATA         PRESS # DESIRED

 1-VEHICLE TIMES        6-N.LOCK & MISC
 2-DENSITY TIMES        7-SPEC. SEQUENCE
 3-PEDEST. TIMES        8-SPEC. DETECTOR
 4-INIT & N.A. RESP     9-PHASE COPY
 5-V & P RECALLS        0-MISC PED OPTIONS

                                F-PRIOR MENU
```

Note Phases 1, 3, 5, and 7 NOT used! →

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

CODES.......0....1....2....3....4....5
 INITIAL  NONE INACT RED  YEL  GRN  DRK
 NA RESP  NONE  NA1  NA2 BOTH  ---  ---
A-UP B-DN C-LT D-RT E-ENTER F-PRIOR MENU
```

INIT & N.A. RESP programming complete.

PROTECTED & PERMISSIVE PHASES for FLASHING YELLOW ARROW

(program controller as shown below)

FROM MAIN MENU PRESS 4 (UNIT DATA)

```
SE-PAC 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
```

```
SE-PAC OVLP.A...B...C...D...E...F...G...H.
   TR GRN   0   0   0   0   0   0   0   0
   YEL/10  40  40  40  40  40  40  40  40
   RED/10  20  20  20  20  20  20  20  20
   -G/Y     1   3   5   7   0   0   0   0   ← PROTECTED PHASES
   +GRN     2   4   6   8   0   0   0   0   ← PERMISSIVE PHASES
(-) #-PH G/Y KILLS OVLP= (+) #-PH G STRT
A-UP B-DN C-LT D-RT E-ENTER F-PRIOR MENU
```

THE FLASHING YELLOW ARROW FOR SIGNAL HEADS 21, 41, 61 & 81 TURNS ON EXCLUSIVELY DURING PERMITTED GREEN PHASES 2, 4, 6 & 8.

PPLT DEFINITION PROGRAMMING COMPLETE

PRESS 'F' TO RETURN TO UNIT DATA

Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1695
DESIGNED: October 2018
SEALED: 11/7/2018
REVISED:

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

Division of Highways, Traffic Engineering & Signals Management Section, Transportation Mobility and Safety Division, State of North Carolina, Department of Transportation

750 N.Greenfield Pkwy,Garner,NC 27529

SR 2012 (Litchford Road)
at
Hunting Ridge Road and
Rowland Road

Division 5 | Wake County | Raleigh

PLAN DATE: November 2018		REVIEWED BY:	T. Joyce
PREPARED BY: C. Strickland		REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce 11/16/2018
DOCUSIGNED BY:
DATE

SIG. INVENTORY NO. 05-1695

15-NOV-2018 10:43
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