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PROJECT REFERENCE NO.	SHEET NO.
SM-6114C	Sig. 1.2

ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL FOR PILOT LAMP & FYA SUPPRESSION DURING DELAYED GREEN PERIOD

(program controller as shown)

1. From Main Menu select [1. CONFIGURATION]
2. From CONFIGURATION Submenu select [8. LOGIC PROCESSOR]
3. From LOGIC PROCESSOR Submenu select [2. LOGIC STATEMENTS]

ENTER A "1" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   1  COPY FROM:   1  ACTIVE:  M   (T/F)
IF     PMT INPUT           2     IS  ON
OR     PMT PREEMPT ACTIVE  2     IS  ON

THEN   SIG SET PH YELLOW   7         ON

ELSE
```

LOGIC TO TURN ON FIRE HOUSE PILOT LAMP

ENTER A "2" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   2  COPY FROM:   2  ACTIVE:  M   (T/F)
IF     PMT INPUT           2     IS  OFF
AND    PMT PREEMPT ACTIVE  2     IS  OFF

THEN   SIG SET PH YELLOW   7         OFF

ELSE
```

LOGIC TO TURN OFF FIRE HOUSE PILOT LAMP

ENTER A "3" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   3  COPY FROM:   3  ACTIVE:  M   (T/F)
IF     PED ON PH WALK      2     IS  ON
AND    VEH GREEN ON PH     2     IS  OFF

THEN   SIG SET OLP RED     1         ON
       SIG SET OLP YELLOW  1         OFF
       SIG SET OVLP GREEN  1         OFF

ELSE
```

LOGIC STATEMENT FOR ADVANCED WALK WITH FYA's. TURN FYA HEAD 11 OFF DURING PED 2 ADVANCED WALK.

ENTER A "4" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   4  COPY FROM:   4  ACTIVE:  M   (T/F)
IF     PED ON PH WALK      6     IS  ON
AND    VEH GREEN ON PH     6     IS  OFF

THEN   SIG SET OLP RED     3         ON
       SIG SET OLP YELLOW  3         OFF
       SIG SET OVLP GREEN  3         OFF

ELSE
```

LOGIC STATEMENT FOR ADVANCED WALK WITH FYA's. TURN FYA HEAD 51 OFF DURING PED 6 ADVANCED WALK.

END PROGRAMMING

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select [2. CONTROLLER]
2. From CONTROLLER Submenu select [2. VEHICLE OVERLAPS]

OVERLAP A

Select TMG VEH OVLP [A] and 'PPLT FYA'

```
TMG VEH OVLP...[A] TYPE: .....PPLT FYA

PROTECTED LEFT TURN....   PHASE    1
OPPOSING THROUGH.......   PHASE    2

FLASHING ARROW OUTPUT.....CH9  ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE........... 1
```

NOTICE ACTION PLAN SF BIT "1"

Toggle Twice

OVERLAP C

Select TMG VEH OVLP [C] and 'PPLT FYA'

```
TMG VEH OVLP...[C] TYPE: .....PPLT FYA

PROTECTED LEFT TURN....   PHASE    5
OPPOSING THROUGH.......   PHASE    6

FLASHING ARROW OUTPUT.....CH11 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE........... 5
```

NOTICE ACTION PLAN SF BIT "5"

Toggle Once

OVERLAP D

Select TMG VEH OVLP [D] and 'OTHER/ECONOLITE'

```
TMG VEH OVLP...[D] TYPE:OTHER/ECONOLITE
  PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED X X X X X X . . . . . . . . . .
PROTECT  . . . . . . . . . . . . . . . .
PED PRTC . . . . . . . . . . . . . . . .
NOT OVLP . . . . . . . . . . . . . . . .
FLSH GRN 1 1 1 1 1 1 . . . . . . . . . .
LAG X PH . . . . . . . . . . . . . . . .
LAG 2 PH . . . . . . . . . . . . . . . .

LAG GRN 0.1 YEL 4.0 RED 0.0 ADV GRN 0.0
```

NOTICE GREEN & YELLOW TIMES

END PROGRAMMING

4. From LOGIC PROCESSOR Submenu select [1. LOGIC STATEMENT CONTROL]

ENABLE LOGIC PROCESSOR STATEMENTS 1, 2, 3 & 4 BY POSITIONING THE CURSOR OVER THE FIELDS SHOWN BELOW AND USING THE TOGGLE KEY TO ENABLE THEM.

```
LOGIC STATEMENT CONTROL
          1 2 3 4 5 6 7 8 9 0 1 2 3 4 5
LP 1-15   E E E E . . . . . . . . . . .
LP 16-30  . . . . . . . . . . . . . . .
LP 31-45  . . . . . . . . . . . . . . .
LP 46-60  . . . . . . . . . . . . . . .
LP 61-75  . . . . . . . . . . . . . . .
LP 76-90  . . . . . . . . . . . . . . .
```

END PROGRAMMING

ECONOLITE ASC/3-2070 PED 3 PROGRAMMING ASSIGNMENT DETAIL

(program controller as shown)

1. From Main Menu select [6. DETECTORS]
2. From DETECTOR Submenu select [3. PED DETECTOR INPUT ASSIGNMENT]

```
PED DET PHASE ASSIGNMENT MODE:  NTCIP

   PHASE  1  2  3  4  5  6  7  8
DETECTOR  0  2  8  4  0  6  0  0

   PHASE  9 10 11 12 13 14 15 16
DETECTOR  0  0  0  0  0  0  0  0
```

NOTICE PED DETECTOR 8 ASSIGNED TO PHASE 3

ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

To assign load switch S8P as 3 PED, program LD SWITCH 16 as PED '3' as shown below.

1. From Main Menu select [1. CONFIGURATION]
2. From CONFIGURATION Submenu select [3. LOAD SW ASSIGN]

```
LD SWITCH ASSIGN
    PHASE      DIMMING ---FLASH---
    /OVLP TYPE R Y G D PWR AUT TGR
1     1     V  . . . + A   R   X
2     2     V  . . . + A   Y   .
3     3     V  . . . + A   R   X
4     4     V  . . . + A   R   .
5     5     V  . . . - A   R   .
6     6     V  . . . - A   Y   X
7     7     V  . . . - A   R   .
8     8     V  . . . - A   R   X
9     1     O  . . . + A   Y   X
10    2     O  . . . + A   R   X
11    3     O  . . . - A   Y   .
12    4     O  . . . - A   Y   .
13    2     P  . . . + A   .   .
14    4     P  . . . - A   .   .
15    6     P  . . . + A   .   .
16    3     P  . . . - A   .   .
```

NOTICE PHASE 3 PED ASSIGNED TO LD SWITCH 16

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 14-0609
DESIGNED: February 2022
SEALED: 9/16/2022
REVISED: N/A

STV 100 Years
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

ELECTRICAL AND PROGRAMMING DETAILS FOR:

US 25 (Asheville Hwy/N Main St) at N Church St/N Main St/ Hendersonville High School

Division 14 | Henderson County | Hendersonville

PLAN DATE: February 2022	REVIEWED BY:	D. Darity	
PREPARED BY: R.L. Aristondo	REVIEWED BY:	J. Carroll	

REVISIONS	INIT.	DATE

Electrical Detail - Sheet 2 of 5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 030005 ENGINEER JUSTIN T. CARROLL

DocuSigned by: Justin T. Carroll
6340DAC5D6E18486...
9/16/2022
SIGNATURE DATE

SIG. INVENTORY NO. 14-0609

750 N.Greenfield Pkwy,Garner,NC 27529

9/15/2022
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LeonarR