PROJECT REFERENCE NO.	SHEET NO.
B-5985A	SIG-6.2

ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select 1. CONFIGURATION

2. From CONFIGURATION Submenu select 8. LOGIC PROCESSOR

3. From the LOGIC PROCESSOR Submenu select 2. LOGIC STATEMENTS

This logic statement prevents the controller from serving phase 7 at controller startup.

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

```
LP#:  1  COPY FROM:  1  ACTIVE:  M  (T/F)        LOGIC FOR OMITTING PHASE 7
IF    PMT PREEMPT ACTIVE    1      IS  OFF        AT STARTUP AND/OR WHEN NOT
                                                 IN PREEMPT
THEN  CTR OMIT PHASE        7          ON


ELSE
```

1. From Main Menu select 1. CONFIGURATION

2. From CONFIGURATION Submenu select 8. LOGIC PROCESSOR

3. From the LOGIC PROCESSOR Submenu select 1. LOGIC STATEMENT CONTROL

ENABLE LOGIC PROCESSOR STATEMENT 1 BY POSITIONING THE CURSOR OVER THE FIELD SHOWN BELOW AND USING THE TOGGLE KEY TO ENABLE IT.

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

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

Toggle Twice

OVERLAP C

Select TMG VEH OVLP [C] and 'NORMAL'

```
TMG VEH OVLP...[C] TYPE: ......NORMAL
   PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED . . . X . . X . . . . . . . . .

LAG GRN 0.0 YEL 0.0 RED 0.0
```

END PROGRAMMING

ECONOLITE ASC/3-2070 CONTROLLER SEQUENCE PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select 1. CONFIGURATION

2. From CONFIGURATION Submenu select 1. CONTROLLER SEQ

3. From CONTROLLER SEQUENCE Submenu select

1. PHASE RING SEQUENCE AND ASSIGNMENT

Move the cursor to the SEQUENCE COMMANDS field, toggle to select "C" mode, enter phases in desired sequence.

```
CONTROLLER SEQUENCE [ 1 ]
SEQUENCE COMMANDS .  HW ALT SEQ ENA.          NO
     01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
BC-   C  C  C  C  C  C  C  C  C  C  C  C  C  C  C  C
R1-   1  2  3  4  7  .  .  .  .  .  .  .  .  .  .  .
R2-   5  6  .  .  .  .  .  .  .  .  .  .  .  .  .  .
R3-   .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
R4-   .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .

R1-R4=RING 1-4, DATA ENTRY, PHASES 1-16
BC=BARRIER CONTROL, VALUES: B,C
B=CURRENT GROUP RING BARRIER
C=COMPATIBILITY PROGRAMMED BY MAIN MENU 1-1-2
```

END SEQUENCE AND ASSIGNMENT PROGRAMMING

1. From Main Menu select 1. CONFIGURATION

2. From CONFIGURATION Submenu select 1. CONTROLLER SEQ

3. From CONTROLLER SEQUENCE Submenu select 2. PHASE COMPATIBILITY

Program phase compatibility as shown below to ensure phases 3 and 7 cannot run concurrently.

```
PHASE COMPATIBILITY

      6 5 4 3 2 1 0 9 8 7 6 5 4 3 2
   1  . . . . . . . . . . X X . . .
   2  . . . . . . . . . . X X . . .
   3  . . . . . . . . . . . . . . .
   4  . . . . . . . . . . . . . .
   5  . . . . . . . . . . . . .
   6  . . . . . . . . . . . .
   7  . . . . . . . . . . .
   8  . . . . . . . . . .
   9  . . . . . . . . .
  10  . . . . . . . .
  11  . . . . . . .
  12  . . . . . .
  13  . . . . .
  14  . . . .
  15  . . .
```

END COMPATIBILITY 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      ← NOTICE PED DETECTOR 8
                                                  ASSIGNED TO PHASE 3
    PHASE    9  10  11  12  13  14  15  16
    DETECTOR 0   0   0   0   0   0   0   0
```

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   R   X
    10    2   O  . . . +  A   R   X
    11    3   O  . . . -  A   R   .
    12    4   O  . . . -  A   R   .
    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: 06-0186
DESIGNED: AUGUST 2022
SEALED: FEBRUARY 2023
REVISED: N/A

Final Design
Electrical Detail - Sheet 2 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

750 N.Greenfield Pkwy,Garner,NC 27529

NC 72/NC 41-72 (W 2nd St)
at
NC 41/SR 1599
(Martin Luther King Jr. Dr)

Division 6	Robeson County	Lumberton
PLAN DATE: FEBRUARY 2023	REVIEWED BY: R M Muncey	
PREPARED BY: D. Waller	REVIEWED BY:	

SEAL

SEAL
43239

Regina M. Muncey
SIGNATURE 2/2/2023

REVISIONS

SIG. INVENTORY NO. 06-0186