ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING
DETAIL FOR ADVANCE BEACON CONTROL

(program controller as shown)

The following logic processor programming ensures
the advance warning beacon will flash at the end of
phase 6 green and during phase 6 after 3.0 seconds of constant
actuation. Once activated during phase 6, the advance
warning beacon deactivates after a 2.0 second gap.

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   DET              36  IS ON


THEN  LP  DELAY FOR         3.0 SECONDS
      LP  SET LOGIC FLAG  1      ON
```

SETS LOGIC FLAG 1
WHEN A VEHICLE HAS
BEEN SITTING ON LOOP 6A
FOR 3.0 SECONDS

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

```
LP#:   2  COPY FROM:   2  ACTIVE:  M   (T/F)
IF   DET              36  IS OFF


THEN  LP  DELAY FOR         2.0 SECONDS
      LP  SET LOGIC FLAG  1      OFF
```

CLEARS LOGIC FLAG 1
IF NO VEHICLE HAS BEEN
SITTING ON LOOP 6A
FOR 2.0 SECONDS

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

```
LP#:   3  COPY FROM:   3  ACTIVE:  M   (T/F)
IF   VEH GREEN ON PH    6  IS OFF


THEN  LP  SET LOGIC FLAG  2      ON
```

SETS LOGIC FLAG 2
IF PHASE 6 GREEN
IS NOT ACTIVE

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

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


THEN  LP  SET LOGIC FLAG  2      OFF
```
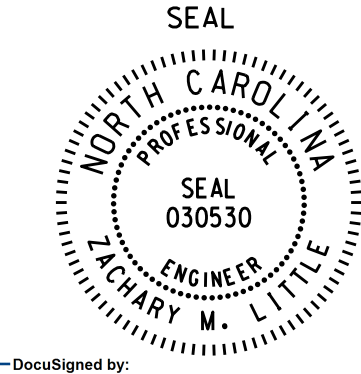
CLEARS LOGIC FLAG 2
IF PHASE 6 GREEN
IS ACTIVE

ENTER A "5" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   5  COPY FROM:   5  ACTIVE:  M   (T/F)
IF   LP FLAG          1  IS ON
OR   LP FLAG          2  IS ON


THEN  LP  SET LOGIC FLAG   3      ON
```

SETS LOGIC FLAG 3
TO SET THE PERIOD
OF TIME THE ADVANCE
BEACON WILL BE
ACTIVATED

ENTER A "6" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   6  COPY FROM:   6  ACTIVE:  M   (T/F)
IF   LP FLAG          1  IS OFF
AND  LP FLAG          2  IS OFF


THEN  LP  SET LOGIC FLAG   3      OFF
```

CLEARS LOGIC FLAG 3
TO END THE PERIOD
OF TIME THE ADVANCE
BEACON WILL BE
ACTIVATED

ENTER A "7" IN THE LP# FIELD, PRESS 'ENTER', AND
PROGRAM AS SHOWN.

```
LP#:   7  COPY FROM:   7  ACTIVE:  M   (T/F)
IF   LP FLAG              3  IS ON
AND  LP COB CODE ON        546
AND  LP COB CODE OFF       544


THEN  SIG SET PH PED CLR   6      ON
```

ACTIVATES THE
ADVANCE BEACON
AS LONG AS LOGIC
FLAG 3 IS SET
AND CONTROLLER
IS NOT IN FLASH

END PROGRAMMING

1. From Main Menu select 1. CONFIGURATION

2. From CONFIGURATION Submenu select 8. LOGIC PROCESSOR

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

ENABLE LOGIC PROCESSOR STATEMENTS 1, 2, 3, 4, 5, 6, AND 7
BY POSITIONING THE CURSOR OVER THE FIELD 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 E E E . . . . . . . .
LP 16-30     . . . . . . . . . . . . . . .
LP 31-45     . . . . . . . . . . . . . . .
LP 46-60     . . . . . . . . . . . . . . .
LP 61-75     . . . . . . . . . . . . . . .
LP 76-90     . . . . . . . . . . . . . . .
```

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0451
DESIGNED: June 2016
SEALED: 9/29/2016
REVISED: N/A

Electrical Detail Sheet 3 of 3

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared In the Offices of:

SR 1615 (Rosehill Road)
at
SR 1614 (Shaw Mill Road)

Division 6   Cumberland County   N. of Fayetteville

PLAN DATE: September 2016   REVIEWED BY:

PREPARED BY: Keith Mims   REVIEWED BY:

REVISIONS	INIT.	DATE

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SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
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DocuSigned by:
Zachary M. Little 10/3/2016
9C21EF094F5341F
DATE

SIG. INVENTORY NO.   06-0451