ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL
FOR LEADING PED INTERVAL (DELAYED GREEN)

(program controller as shown)

The following logic processor configuration holds the FYA's on signal heads
11, 23, 51 and 63 red for the duration of the delayed green time (leading
ped interval) when serving a ped call on the opposing through phase.

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

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

```
LP#:  1  COPY FROM:  1  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
```
HOLD SIGNAL HEAD 11 FYA
RED DURING THE PHASE 2
DELAYED GREEN TIME
(LEADING PED INTERVAL)

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

```
LP#:  2  COPY FROM:  2  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
```
HOLD SIGNAL HEAD 51 FYA
RED DURING THE PHASE 6
DELAYED GREEN TIME
(LEADING PED INTERVAL)

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      6    IS  ON
AND    VEH GREEN ON PH     6    IS  OFF

THEN   SIG SET OLP RED      5       ON
       SIG SET OLP YELLOW   5       OFF
       SIG SET OVLP GREEN   5       OFF

ELSE
```
HOLD SIGNAL HEAD 63 FYA
RED DURING THE PHASE 6
DELAYED GREEN TIME
(LEADING PED INTERVAL)

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      2    IS  ON
AND    VEH GREEN ON PH     2    IS  OFF

THEN   SIG SET OLP RED      6       ON
       SIG SET OLP YELLOW   6       OFF
       SIG SET OVLP GREEN   6       OFF

ELSE
```
HOLD SIGNAL HEAD 23 FYA
RED DURING THE PHASE 2
DELAYED GREEN TIME
(LEADING PED INTERVAL)

---

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 STATEMENTS 1-4 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 6
LP 1-15     E E E E . . . . . . . . . . . .
LP 16-30    . . . . . . . . . . . . . . . .
LP 31-45    . . . . . . . . . . . . . . . .
LP 46-60    . . . . . . . . . . . . . . . .
LP 61-75    . . . . . . . . . . . . . . . .
LP 76-90    . . . . . . . . . . . . . . . .
```

END PROGRAMMING

ASC/3 FLASH SENSE INPUT CONTROL
FOR RED-RED FLASH

*The NCDOT default database is programmed to addresss Yellow-Red flash.
Logic Statement 100 must be modified as shown when running Red-Red flash.

1. From Main Menu select | 1. CONFIGURATION

2. From CONFIGURATION Submenu select | 8. LOGIC PROCESSOR

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

Change the "LP" to 100 and move the cursor down. Delete
the two "CTR-SET" statements by moving the cursor over
them and hitting the "C" key, then hit "ENTER", select
"LP SET CIB ON", hit "ENT", and then set the number to 427.

```
LP#:100  COPY FROM:100  ACTIVE: M   FALSE
IF    LP CIB CODE ON               331  F

THEN  LP   DELAY FOR       1.0 SECONDS
      LP   SET CIB ON      427

ELSE
```
THIS STATEMENT IS USED
TO CONTROL THE FLASH
SENSE INPUT WHEN RUNNING
RED-RED FLASH OPERATION.

Hit "ESC", then 1 for "LOGIC STATEMENT CONTROL",
next verify that LP#100 is ENABLED.

END PROGRAMMING

ECONOLITE ASC/3-2070 STARTUP AND
SOFTWARE FLASH PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select | 2. CONTROLLER

2. From CONTROLLER Submenu select | 5. START/FLASH

```
START/FLASH DATA
------START UP-------------------------
             1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
PHASE        G     G
             A B C D E F G H I J K L M N O P
OVERLAP      X X X X X X X X X X X X X X X X
FLASH>MON. NO FL TIME..  0 ALL RED...  6
PWR START SEQ..  1 MUTCD→ YES   Y- G: NO
```

Scroll down on this screen and set "Exit Fl" to Green "G"

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during
Ped Clearance Interval. Consult Ped Signal Module user's manual
for instructions on selecting this feature.

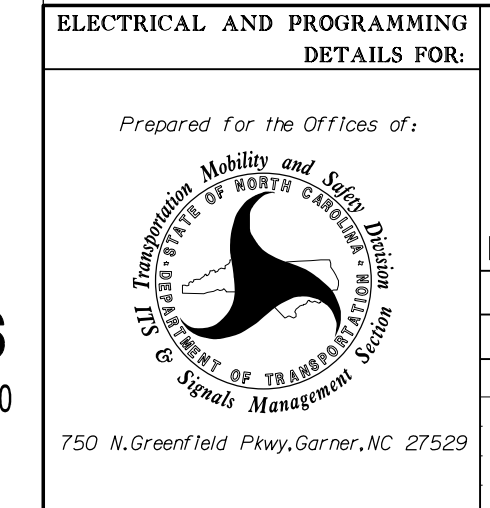## FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE
SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.

2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.

3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-1115
DESIGNED: January 2025
SEALED: 03-14-2025
REVISED: N/A
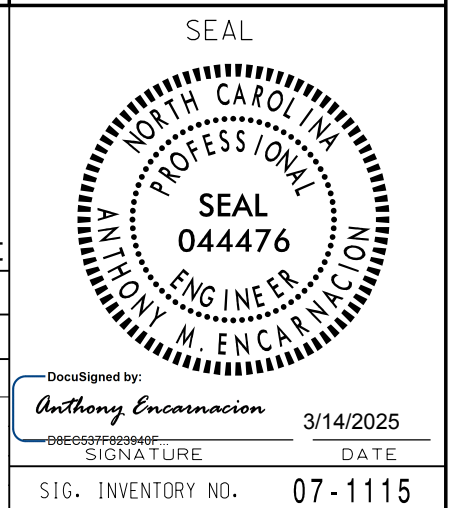
Electrical Detail - Sheet 4 of 4
Final Design