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 on signal head
11 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)

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 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 . . . . . . . . . . . . . . .
LP 16-30  . . . . . . . . . . . . . . . .
LP 31-45  . . . . . . . . . . . . . . . .
LP 46-60  . . . . . . . . . . . . . . . .
LP 61-75  . . . . . . . . . . . . . . . .
LP 76-90  . . . . . . . . . . . . . . . .
```

END PROGRAMMING

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.

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.

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..  O ALL RED...  6
PWR START SEQ..  1 MUTCD> YES   Y- G: NO
```

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

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

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-0935T2
DESIGNED: August 2025
SEALED: 08-14-2025
REVISED: N/A

Electrical Detail - Sheet 4 of 4
Temporary Design 2

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared for the Offices of:

SR 1820 (Skeet Club Road)
at
SR 1818 (Johnson Street)

Division 7	Guilford County		High Point
PLAN DATE: August 2025		REVIEWED BY: AM Encarnacion	
PREPARED BY: JT Stiff		REVIEWED BY: PL Alexander	

REVISIONS		INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
044476
ENGINEER
M. ENCARNACION

Designed by:
Anthony Encarnacion
8/14/2025
SIGNATURE
DATE

SIG. INVENTORY NO.   07-0935T2

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