ECONOLITE ASC/3-2070
LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

All channels must be programmed to flash red in
controller for red-red flash operation as shown below.
Notice "AUT" for all channels is programmed for RED.

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   R   X
  3    3    V     . . . +   A   R   X
  4    4    V     . . . +   A   R   .
  5    5    V     . . . -   A   R   .
  6    6    V     . . . -   A   R   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    8    P     . . . -   A   .   .
```

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       R       R
            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

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 |
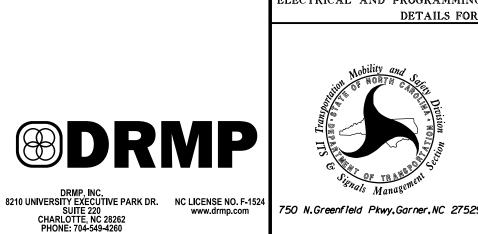
ENABLE LOGIC PROCESSOR STATEMENTS 1-4 BY POSITIONING
THE CURSOR OVER THE FIELDS SHOWN BELOW AND USING THE
TOGGLE KEY TO ENABLE THEM .

```
LOGIC STATEMENT CONTROL
           1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
LP 1-15    E . . . . . . . . . . . . . . .
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: 07-2090
DESIGNED: Mar 2025
SEALED: 3/17/2025
REVISED: N/A

Electrical Detail - Sheet 3 of 4
Final Design

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

NC 62 (Liberty Road)
at
I-85 Southbound Ramps

Division 7   Guilford County   Archdale

PLAN DATE: March 2025	REVIEWED BY: ZM Esposito
PREPARED BY: AW Poole	RKA PROJ. NO.: 17380 (040)

REVISIONS

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
054155
ENGINEER
ZACHARY M. ESPOSITO

Signed by:
Zachary M. Esposito
3/17/2025
SIGNATURE   DATE

SIG. INVENTORY NO. 07-2090