

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.. | 0 | | | | | | | | | | | | | | | 6 |
| PWR START SEQ.. | 1 | | | | | | | | | | | | | | | |
| MUTCD> | YES | | | | | | | | | | | | | | | 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 address 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 | | | | | | | |

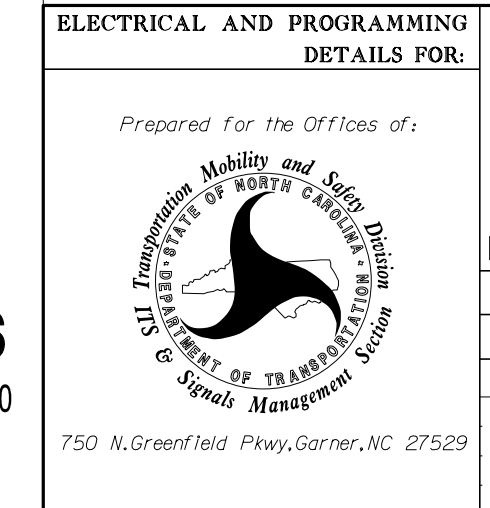
THIS STATEMENT IS USED TO CONTROL THE FLASH SENSE INPUT WHEN RUNNING RED-RED FLASH OPERATION.

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

END PROGRAMMING

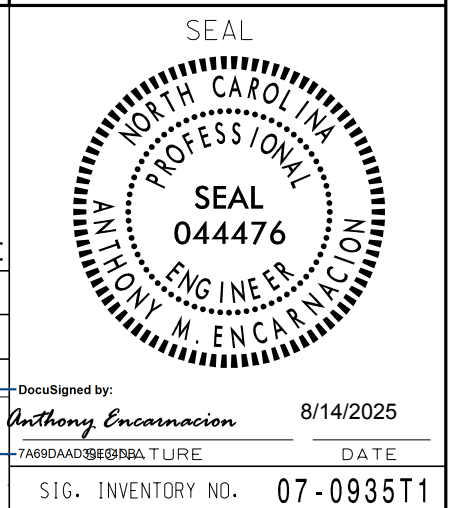
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0935T1
DESIGNED: August 2025
SEALED: 08-14-2025
REVISED: N/A

Electrical Detail - Sheet 4 of 4 Temporary Design 1



| | |
|--|-----------------------------|
| 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 |
| | |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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14-AUG-2025 15:24 PW:///S:\00036433\wootk\ris-com\ATKMANC01\Documents\Roads and Bridges\Projects\100059632_JSSR \$1g and ITS\Task 05_11_Signals\070935T1_sme.le_20250314.dgn ENDSB66 - AT L05821624

DocuSigned by: Anthony Encarnacion 8/14/2025
STANDARD BUSINESS FORM DATE
SIG. INVENTORY NO. 07-0935T1