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   .
 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

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING FREE RUN - PROGRAM CHANGES (SHOWN BELOW) IN A TIME BASED ACTION PLAN.
SCHEDULE A DAY PLAN THAT INCLUDES THE ACTION PLAN PROGRAMMED
TO SELECT VEH DET PLAN 2 AND ENABLE SF BIT 5.

TO RUN ALT. PHASING DURING COORDINATION - SELECT THE TIME BASED ACTION PLAN THAT IS PROGRAMMED
TO SELECT VEH DET PLAN 2 AND ENABLE SF BIT 5.

PHASING	VEH DET PLAN	SF BITS ENABLED
ACTIONS REQUIRED TO RUN DEFAULT PHASING	1	NONE
ACTIONS REQUIRED TO RUN ALTERNATE PHASING	2	5

IMPORTANT: IF ALT. PHASING IS USED DURING FREE RUN AND COORDINATION. DO NOT OPERATE TIME OF DAY
EVENTS CONCURRENTLY WITH COORDINATION PLAN EVENTS IN THE EVENT SCHEDULER. (EX. FREE
RUN EVENT SHOULD END BEFORE COORDINATION PLAN EVENT STARTS AND VICE-VERSA).

ALTERNATE PHASING CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN
SF BIT 5 AND VEH DET PLAN 2 ACTIVATE TO CALL THE
"ALTERNATE PHASING":

SF BIT 5:   Modifies overlap parent phases
                 for head 51 to run protected
                 turns only.
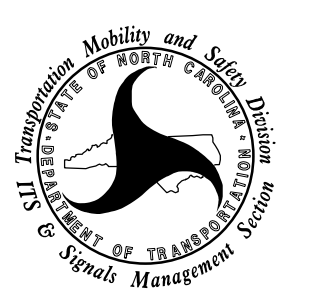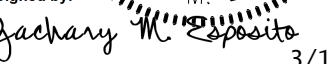
VEH DET PLAN 2: Disables phase 2 call on loop 5A
                 and reduces delay time for phase 5
                 call on loop 5A to 0 seconds.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-2091T1
DESIGNED: Mar 2025
SEALED: 3/17/2025
REVISED: N/A

Electrical Detail - Sheet 3 of 3
Temporary Design 1 - (TMP Phase I)

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

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

Division 7	Guilford County	Archdale
PLAN DATE: March 2025	REVIEWED BY: ZM Esposito	
PREPARED BY: AW Poole	RKA PROJ. NO.: 17380 (040)	

REVISIONS

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
054155
ENGINEER
ZACHARY M. ESPOSITO

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

Signed by:
Zachary M. Esposito
5647DD76D48B4E8...
3/17/2025
SIGNATURE   DATE

SIG. INVENTORY NO. 07-2091T1