REMOVE!

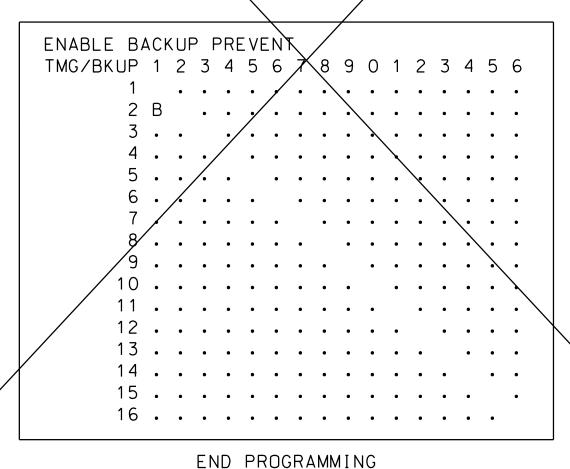### ECONOLITE ASC/3-2070 BACKUP
PROTECTION ENABLE PROGRAMMING
(program controller as shown)

1. From Main Menu select | 1. CONFIGURATION |

2. From CONFIGURATION Submenu select | 1. CONTROLLER SEQ |

3. From CONTROLLER SEQUENCE Submenu select | 3. BACKUP PREVENT PHASES |

Follow programming as shown below. On the
'ENABLE BACKUP PREVENT' screen move cursor
to the appropriate field and press 'YES/NO' on
the controller keypad to toggle field value
between 'X' ,'B', 'C' and 'OFF'.

```
ENABLE BACKUP PREVENT
TMG/BKUP 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
       1   . . . . . . . . . . . . . . .
       2 B . . . . . . . . . . . . . . .
       3   . . . . . . . . . . . . . . .
       4   . . . . . . . . . . . . . . .
       5   . . . . . . . . . . . . . . .
       6   . . . . . . . . . . . . . . .
       7   . . . . . . . . . . . . . . .
       8   . . . . . . . . . . . . . . .
       9   . . . . . . . . . . . . . . .
      10   . . . . . . . . . . . . . . .
      11   . . . . . . . . . . . . . . .
      12   . . . . . . . . . . . . . . .
      13   . . . . . . . . . . . . . . .
      14   . . . . . . . . . . . . . . .
      15   . . . . . . . . . . . . . . .
      16   . . . . . . . . . . . . . . .
```

END PROGRAMMING

NOTE

1. 'B' without a 'C' programmed for the 'TIMING' (row) phase inhibits the controller
   from servicing the 'BACKUP' (column) phase when the 'TIMING' (row) phase is
   active, or next, until the controller goes through Red Revert and Red Clear.
   Make sure the proper Red Revert and Red Clear times shown on the Signal
   Design plan are programmed in the controller phase timing.

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 BITS 1 and 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 BITS 1 and 5.

PHASING	VEH DET PLAN	SF BITS ENABLED
ACTIONS REQUIRED TO RUN DEFAULT PHASING	1	NONE
ACTIONS REQUIRED TO RUN ALTERNATE PHASING	2	1, 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 BITS 1, AND 5 AND VEH DET PLAN 2 ACTIVATE TO CALL
THE "ALTERNATE PHASING":

SF BITS 1,5:   Modifies overlap parent phases
                 for heads 11 and 51 to run protected
                 turns only.
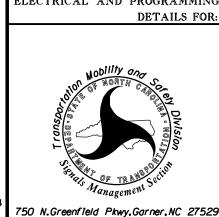
VEH DET PLAN 2: Disables phase 6 call on loop 1A
                 and reduces delay time for phase 1
                 call on loop 1A to 3 seconds.

                 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: 07-2100
DESIGNED: Mar 2025
SEALED: 3/17/2025
REVISED: N/A

Electrical Detail - Sheet 5 of 5
Final Design

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

NC 62 (Liberty Road)
at
SR 1162 (Weant Road) /
SR 4066 (Modlin Grove Road)

Division 7	Guilford County	Archdale
PLAN DATE: March 2025	REVIEWED BY: ZM Esposito	
PREPARED BY: AW Poole	REVIEWED BY: 17380 (040)	
REVISIONS		

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
054155
ENGINEER
ZACHARY M. ESPOSITO

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

SIG. INVENTORY NO. 07-2100

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.   NC LICENSE NO. F-1524
SUITE 220
CHARLOTTE, NC 28262   www.drmp.com
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Transportation Mobility and Safety Division
DEPARTMENT OF TRANSPORTATION
Signal Management System

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