

## 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 <u>DEFAULT PHASING</u>	1	NONE
ACTIONS REQUIRED TO RUN <u>ALTERNATE PHASING</u>	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).

## ECONOLITE ASC/3-2070 ACTION PLAN PROGRAMMING DETAIL

1. From Main Menu select 5. TIME BASE
2. From TIME BASE Submenu select 2. ACTION PLAN

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ACTION PLAN...[ *]
PATTERN.....AUTO   SYS OVERRIDE.... NO
TIMING PLAN..... 0   SEQUENCE..... 0
VEH DETECTOR PLAN.. 2   DET LOG.....NONE
FLASH.....        --   RED REST..... NO
VEH DET DIAG PLN... 0   PED DET DIAG PLN..0
DIMMING ENABLE.. NO   PRIORITY RETURN. NO
PED PR RETURN.. NO   QUEUE DELAY..... NO
PMT COND DELAY    NO
  PHASE  1  2  3  4  5  6  7  8  9  0  1  2  3  4  5  6
PED RCL  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
WALK 2   .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
VEX 2    .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
VEH RCL  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
MAX RCL  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
MAX 2    .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
  PHASE  1  2  3  4  5  6  7  8  9  0  1  2  3  4  5  6
MAX 3    .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
CS INH   .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
OMIT     .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
SPC FCT  X  .  .  .  X  .  .  .  (1-8)
AUX FCT  .  .  .  (1-3)
          1  2  3  4  5  6  7  8  9  0  1  2  3  4  5
LP 1-15  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 16-30 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 31-45 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 46-60 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 61-75 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 76-90 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
LP 91-100 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
    
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\* The Action Plan number(s) are to be determined by the Division and/or City Traffic Engineer.

## ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL

*(program controller as shown)*

To assign load switches S4 as OLG, S10 as OLH, S11 as OLI, program LD SWITCH 3 as OVLP '7' TYPE 'O', LD SWITCH 7 as OVLP '8' TYPE 'O', and LD SWITCH 8 as OVLP '9' TYPE 'O' as shown below.

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
NOTICE OVERLAP G ASSIGNED TO LD SWITCH 3 →	1	V	. . . + A R X
	2	V	. . . + A R .
	3	O	. . . + A R X
	4	V	. . . + A R .
NOTICE OVERLAP H ASSIGNED TO LD SWITCH 7 →	5	V	. . . - A R .
	6	V	. . . - A R X
	7	O	. . . - A R .
NOTICE OVERLAP I ASSIGNED TO LD SWITCH 8 →	8	O	. . . - A R X
	9	P	. . . + A . .
	10	P	. . . + A . .
	11	P	. . . - A . .
	12	P	. . . - A . .
	13	O	. . . + A R X
	14	O	. . . - A R X
	15	O	. . . + A R .
	16	O	. . . - A R .

### ALTERNATE PHASING PAGE 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.
- INPUTS PAGE 2:** Disables phase 6 call on loop 1A and reduces delay time for phase 1 call on loop 1A to 0 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: 07-1306  
 DESIGNED: January 2025  
 SEALED: 03-14-2025  
 REVISED: N/A

Electrical Detail - Sheet 3 of 4  
 Final Design

<p><b>ELECTRICAL AND PROGRAMMING DETAILS FOR:</b></p> <p>Prepared for the Offices of:</p> <p>1616 EAST MILLBROOK ROAD, SUITE 160          RALEIGH, NORTH CAROLINA 27609          (919) 876-6888 NCBEES #F-0326</p>	<p><b>SR 1850 (Sandy Ridge Road) at SR 1818 (Johnson Street)/Bloomfield Trail</b></p> <p>Division 7 Guilford County High Point</p> <p>PLAN DATE: January 2025 REVIEWED BY: AM Encarnacion          PREPARED BY: JT Stiff REVIEWED BY: PL Alexander</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE				<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p style="text-align: center;">SEAL</p> <p>Anthony Encarnacion          PROFESSIONAL ENGINEER          3/14/2025          DATE</p> <p>SIG. INVENTORY NO. 07-1306</p>
REVISIONS	INIT.	DATE						

13-MAR-2025 15:22 PW77/SU000363433\_worht.ris-com:ATKMANCO1/Documents/Roads and Bridges/Projects/100059632\_USSR\_S19 and ITS/Task 05\_11\_Signals/071306-sm\_e-2023mtda.dgn  
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