

13-MAR-2025 16:56  
DW://SUD0036343:work\ins-com\ATKMANC01\Documents/Roads and Bridges/Projects/100059632\_USSR S1g and ITS/Task 05\_11\_Signals/071113\_sm\_e\_2023mmda.dgn  
S1F4685 - AT U0591289

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.

| <u>PHASING</u>                                   | <u>VEH DET PLAN</u> | <u>SF BITS ENABLED</u> |
|--------------------------------------------------|---------------------|------------------------|
| ACTIONS REQUIRED TO RUN <u>DEFAULT PHASING</u>   | 1                   | NONE                   |
| ACTIONS REQUIRED TO RUN <u>ALTERNATE PHASING</u> | 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 PAGE 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 phase for  
head 51 to run protected turns only.

INPUTS PAGE 2: Disables phase 2 call on loop 5A  
and reduces delay time for phase 5  
call on loop 5A to 0 seconds.

| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| U-4758                | Sig. 14.3 |

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

|                     |      |   |   |       |                     |   |   |   |       |   |   |   |   |   |   |   |   |   |
|---------------------|------|---|---|-------|---------------------|---|---|---|-------|---|---|---|---|---|---|---|---|---|
| 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                   | . | . | . | (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           | .    | . | . | .     | .                   | . | . | . | .     | . | . | . | . | . | . | . |   |   |

\* The Action Plan number(s) are to be determined by  
the Division and/or City Traffic Engineer.

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 07-1113  
DESIGNED: January 2025  
SEALED: 03-14-2025  
REVISED: N/A

Electrical Detail - Sheet 3 of 4

**AtkinsRéal**  
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RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:



750 N.Greenfield Pkwy,Garner,NC 27529

ELECTRICAL AND PROGRAMMING  
DETAILS FOR:

SR 1850 (Sandy Ridge Road)  
at  
SR 1877 (Joe Drive)

Division 7    Guilford County    High Point

PLAN DATE:    January 2025    REVIEWED BY:    AM Encarnacion

PREPARED BY:    JT Stiff    REVIEWED BY:    PL Alexander

REVISIONS

INIT.

DATE

Seal



Designed by  
Anthony Encarnacion  
Signature    DATE    3/14/2025

Sig. Inventory No.    07-1113