

ECONOLITE ASC/3-2070 VEHICLE DETECTOR SETUP PROGRAMMING DETAIL FOR ALTERNATE PHASING

LOOPS 1A, 3A, 5A AND 7A

(program controller as shown)

IMPORTANT!

Program detectors per the Detector Rack Programming Detail shown on sheet 1 before proceeding.

- From Main Menu select 8. UTILITIES
- From UTILITIES Submenu select 1. COPY/CLEAR
- Copy from DETECTOR PLAN "1" to DETECTOR PLAN "2".

COPY / CLEAR UTILITY  
FROM TO  
PHASE TIMING.... > PHASE TIMING....  
TIMING PLAN.... > TIMING PLAN....  
PH DET OPT PLAN.. > PH DET OPT PLAN..  
DETECTOR PLAN... 1 > DETECTOR PLAN... 2  
TOGGLE TO SELECT A "FROM" AND A "TO"  
THEN PRESS ENTER

- From Main Menu select 6. DETECTORS
- From DETECTOR Submenu select 2. VEHICLE DETECTOR SETUP
- Place cursor in VEH DET PLAN [ ] position and enter "2".

- For loop 1A, modify vehicle detectors.
- Place cursor in VEH DETECTOR [ ] position and enter "1".
- Set delay time to "3".

VEH DETECTOR [ 1] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
1 1 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- Place cursor in VEH DETECTOR [ ] position and enter "61".
- Set assigned phase to "0".

VEH DETECTOR [61] VEH DET PLAN [ 2]  
TYPE: G-GREEN EXTENSION/DELAY  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
61 0 .....  
EXTEND TIME... 0.0 DELAY TIME... 3.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- For loop 3A, modify vehicle detectors.
- Place cursor in VEH DETECTOR [ ] position and enter "5".
- Set delay time to "3".

VEH DETECTOR [ 5] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
5 3 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- Place cursor in VEH DETECTOR [ ] position and enter "62".
- Set assigned phase to "0".

VEH DETECTOR [62] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
62 0 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- For loop 5A, modify vehicle detectors.
- Place cursor in VEH DETECTOR [ ] position and enter "9".
- Set delay time to "3".

VEH DETECTOR [ 9] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
9 5 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- Place cursor in VEH DETECTOR [ ] position and enter "63".
- Set assigned phase to "3".

VEH DETECTOR [63] VEH DET PLAN [ 2]  
TYPE: G-GREEN EXTENSION/DELAY  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
63 0 .....  
EXTEND TIME... 0.0 DELAY TIME... 3.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- For loop 7A, modify vehicle detectors.
- Place cursor in VEH DETECTOR [ ] position and enter "13".
- Set delay time to "3".

VEH DETECTOR [13] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
13 7 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

- Place cursor in VEH DETECTOR [ ] position and enter "64".
- Set assigned phase to "0".

VEH DETECTOR [64] VEH DET PLAN [ 2]  
TYPE: N-NTCIP  
TS2 DETECTOR..... X ECPI LOG..... NO  
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6  
64 0 .....  
CALL OPTION.... YES DELAY TIME... 3.0  
EXT OPTION. PASSAGE EXTENSION TIME. 0.0  
USE ADDED INITIAL . CROSS SWITCH PH.. 0  
LOCK IN..... NONE NTCIP VOL . OR OCC .  
PMT QUEUE DELAY. NO

END PROGRAMMING

THIS PLAN SUPERSEDES THE PLAN  
SIGNED AND SEALED ON 11-14-2023

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 05-0882  
DESIGNED: Mar 2025  
SEALED: 3/21/2025  
REVISED: N/A

Electrical Detail - Sheet 3 of 5



DRMP, INC.  
8210 UNIVERSITY EXECUTIVE PARK DR.  
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PHONE: 704-541-4250



SR 1390 (Optimist Farm Road)  
at  
SR 1386 (Bells Lake Road)

Division 5 Wake County Cary

PLAN DATE: March 2025 REVIEWED BY: ZM Esposito

PREPARED BY: AW Poole DRMP PROJ. NO.: 22242 (040)

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED



SIG. INVENTORY NO. 05-0882