

ECONOLITE ASC/3-2070 VEHICLE
DETECTOR SETUP PROGRAMMING DETAIL
FOR ALTERNATE PHASING LOOP 5A

(program controller as shown)

IMPORTANT!

Program detectors per the input file connection and programming chart shown on sheet 1 before proceeding.

- 1. From Main Menu select 8. UTILITIES
- 2. From UTILITIES Submenu select 1. COPY/CLEAR
- 3. 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

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

- 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..... ECPI LOG..... NO
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
5 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

NOTICE VEH
DET PLAN 2

ENSURE DELAY
IS SET TO '3'

- Place cursor in VEH DETECTOR [] position and enter "22".
- Set assigned phase to "0".

VEH DETECTOR [22] VEH DET PLAN [2]
TYPE: N-NTCIP
TS2 DETECTOR..... ECPI LOG..... NO
DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
22 0
CALL OPTION.... YES DELAY TIME... 0.0
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

NOTICE VEH
DET PLAN 2

ENSURE PHASE
IS SET TO "0"

END PROGRAMMING

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING - 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 - 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 phase 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 3 seconds.

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 Divison Traffic Engineer.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0500
DESIGNED: July 2025
SEALED: 07/22/2025
REVISED: N/A

Signal Upgrade - Final
Electrical Detail - Sheet 3 of 4

PROJECT REFERENCE NO.	SHEET NO.
U-5875	Sig. 6.4

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SR 1467 (Stantonsburg Road) at SR 1203 (Allen Road)	
Division 02 Pitt County Greenville	
PLAN DATE: July 2025	REVIEWED BY: S.G. Haynie
PREPARED BY: A.W. Kollar	REVIEWED BY:
REVISIONS	INIT. DATE

SEAL	
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029531 STEVEN G. HAYNIE	
DocuSigned by: Steven G. Haynie 7/22/2025	
SIGNATURE	DATE
SIG. INVENTORY NO.	02-0500