

ECONOLITE ASC/3-2070
OVERLAP PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select 2. CONTROLLER

2. From CONTROLLER Submenu select 2. VEHICLE OVERLAPS

Toggle to 'Overlap G'

OVERLAP G

Select TMG VEH OVLP [G] and 'NORMAL'

TMG VEH OVLP...[G] TYPE:NORMAL

PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

INCLUDED . . . X

LAG GRN 0.0 YEL 0.0 RED 0.0

Toggle Once

OVERLAP H

Select TMG VEH OVLP [H] and 'NORMAL'

TMG VEH OVLP...[H] TYPE:NORMAL

PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

INCLUDED X

LAG GRN 0.0 YEL 0.0 RED 0.0

Toggle Once

OVERLAP I

Select TMG VEH OVLP [I] and 'NORMAL'

TMG VEH OVLP...[I] TYPE:NORMAL

PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

INCLUDED . . X

LAG GRN 0.0 YEL 0.0 RED 0.0

Toggle to 'Overlap A'

OVERLAP A

Select TMG VEH OVLP [A] and 'PPLT FYA'

TMG VEH OVLP...[A] TYPE:PPLT FYA

PROTECTED LEFT TURN.... PHASE 1

OPPOSING THROUGH..... PHASE 2

FLASHING ARROW OUTPUT.....CH9 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0

ACTION PLAN SF BIT DISABLE..... 1

Toggle Once

OVERLAP B

Select TMG VEH OVLP [B] and 'PPLT FYA'

TMG VEH OVLP...[B] TYPE:PPLT FYA

PROTECTED LEFT TURN.... OVERLAP G

OPPOSING THROUGH..... PHASE 6

FLASHING ARROW OUTPUT.....CH10 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0

ACTION PLAN SF BIT DISABLE..... 0

Toggle Once

OVERLAP C

Select TMG VEH OVLP [C] and 'PPLT FYA'

TMG VEH OVLP...[C] TYPE:PPLT FYA

PROTECTED LEFT TURN.... PHASE 5

OPPOSING THROUGH..... PHASE 6

FLASHING ARROW OUTPUT.....CH11 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0

ACTION PLAN SF BIT DISABLE..... 5

Toggle Once

OVERLAP D

Select TMG VEH OVLP [D] and 'PPLT FYA'

TMG VEH OVLP...[D] TYPE:PPLT FYA

PROTECTED LEFT TURN.... OVERLAP H

OPPOSING THROUGH..... PHASE 4

FLASHING ARROW OUTPUT.....CH12 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0

ACTION PLAN SF BIT DISABLE..... 0

END PROGRAMMING

NOTICE
ACTION
PLAN SF
BIT "5"

ECONOLITE ASC/3-2070 VEHICLE DETECTOR SETUP
PROGRAMMING DETAIL FOR ALTERNATE PHASING
LOOPS 1A AND 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 "1".
- Set delay time to "0".

VEH DETECTOR [1] 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

1 1

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 DELAY
IS SET TO '0'

- Place cursor in VEH DETECTOR [] position and enter "26".
- Set assigned phase to "0".

VEH DETECTOR [26] VEH DET PLAN [2]

TYPE: G-GREEN EXTENSION/DELAY

TS2 DETECTOR..... ECPI LOG..... NO

DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6

26 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

NOTICE VEH
DET PLAN 2

ENSURE
PHASE
IS SET
TO "0"

- Place cursor in VEH DETECTOR [] position and enter "5".
- Set delay time to "0".

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... 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
DELAY
IS SET
TO '0'

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

VEH DETECTOR [22] VEH DET PLAN [2]

TYPE: G-GREEN EXTENSION/DELAY

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

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

NOTICE
VEH DET
PLAN 2

ENSURE PHASE
IS SET TO "0"

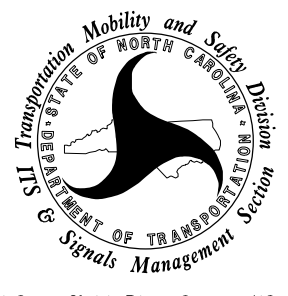
END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-1306
DESIGNED: January 2025
SEALED: 03-14-2025
REVISED: N/A

Electrical Detail - Sheet 2 of 4
Final Design

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared for the Offices of:



750 N.Greenfield Pkwy,Garner,NC 27529

SR 1850 (Sandy Ridge Road)
at
SR 1818 (Johnson Street)/
Bloomfield Trail
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

Signature line for PL Alexander

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
M. ENCARNACION
044476

Designed by: Anthony Encarnacion 3/14/2025

SIGNATURE DATE

SIG. INVENTORY NO. 07-1306

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