

28-OCT-2025 13:13
D:\p\modot-pa-bentley.commodor-pw-01\Documents\NC001 TSMQ\SIGNAL Design Sect1\ev01\vision_05\05-1242\SIGNAL Management\051242_sm.ele_20251028.dgn
sgk:iraport:ck

ECONOLITE ASC/3-2070 DEFAULT OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

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.....CH13 ISOLATE
DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE..... 1

← NOTICE ACTION PLAN
SF BIT "1"

Toggle Once

OVERLAP B

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

TMG VEH OVLP...[B] TYPE:**PPLT FYA**
PROTECTED LEFT TURN.... PHASE 3
OPPOSING THROUGH..... PHASE 4

FLASHING ARROW OUTPUT.....CH14 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.....CH15 ISOLATE
DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE..... 5

← NOTICE ACTION PLAN
SF BIT "5"

Toggle Once

OVERLAP D

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

TMG VEH OVLP...[D] TYPE:**PPLT FYA**
PROTECTED LEFT TURN.... PHASE 7
OPPOSING THROUGH..... PHASE 8

FLASHING ARROW OUTPUT.....CH16 ISOLATE
DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE..... 0

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1242
DESIGNED: October 2025
SEALED: 10/28/2025
REVISED: N/A

ECONOLITE ASC/3-2070 VEHICLE DETECTOR SETUP PROGRAMMING DETAIL FOR ALTERNATE PHASING LOOPS 1A & 5A

(program controller as shown)

IMPORTANT!

Program detectors per the input file connection and
programming chart 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

ECONOLITE ASC/3-2070 SPECIAL MMU PROGRAMMING

(program controller as shown)

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **4. PORT 1 (SDLC)**
- From PORT 1 (SDLC) Submenu select **2. MMU PROGRAM**

CAUTION!

Set intersection to Flash before attempting
to enter or change any MMU programming data.

This programming and that of the MMU programming
card must match exactly. If they do not, the
intersection will be placed into Flash.

MMU PROGRAM [MANUAL]

CH 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2
1 . X . X . X X X . . .
2 . X . X . X . X . . . X X . .
3 X . X . X X X . . .
4 X . X . X . X . X X . . .
5 . X . X . . . X
6 . X . X . X . X . . .
7 X . X . . . X
8 X . X . X . X . . .
9 . X . X . X
10 X . X . X
11 . X . X
12 X . X
13 . X
14 X
15

END PROGRAMMING

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..... 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... 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 "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

← NOTICE VEH
DET PLAN 2

ENSURE PHASE
IS SET TO "0" →

- Place cursor in VEH DETECTOR [] position and enter "2".
- Set delay time to "0".

VEH DETECTOR [2] 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
2 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 "63".
- Set assigned phase to "0".

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

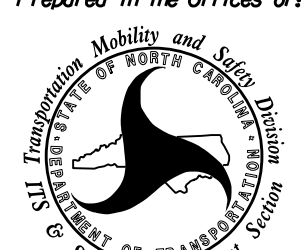
← NOTICE VEH
DET PLAN 2

ENSURE PHASE
IS SET TO "0" →

END PROGRAMMING

Electrical Detail - Sheet 2 of 4

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 3126 (Airport Boulevard)
at
Town Hall Drive

Division 5 Wake County Morrisville

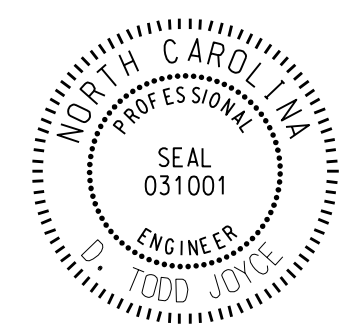
PLAN DATE: October 2025 REVIEWED BY:

PREPARED BY: S. Kirkpatrick REVIEWED BY:

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL


NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL 031001
TODD JOYCE

DocuSigned by: 10/28/2025

DATE

SIG. INVENTORY NO. 05-1242