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.

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]     ← NOTICE VEH
TYPE: S-STANDARD                            DET PLAN 2
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   . . . . . . . . . . . . . . .      ← ENSURE DELAY
EXTEND TIME...  0.0 DELAY TIME...    0.0      IS SET TO '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 "26".
   – Set assigned phase to "0".

```
VEH DETECTOR [26]   VEH DET PLAN [ 2]     ← NOTICE VEH
TYPE: G-GREEN EXTENSION/DELAY               DET PLAN 2
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...    0.0
USE ADDED INITIAL . CROSS SWITCH PH.. 0
LOCK IN....... NONE NTCIP VOL . OR OCC .
PMT QUEUE DELAY. NO
```
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]     ← NOTICE VEH
TYPE: S-STANDARD                            DET PLAN 2
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   . . . . . . . . . . . . . . .      ← ENSURE DELAY
EXTEND TIME...  0.0 DELAY TIME...    0.0      IS SET TO '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 "22".
   – Set assigned phase to "0".

ENSURE PHASE
IS SET TO "0" →

```
VEH DETECTOR [22]   VEH DET PLAN [ 2]     ← NOTICE VEH
TYPE: G-GREEN EXTENSION/DELAY               DET PLAN 2
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...    0.0
USE ADDED INITIAL . CROSS SWITCH PH.. 0
LOCK IN....... NONE NTCIP VOL . OR OCC .
PMT QUEUE DELAY. NO
```

END PROGRAMMING

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

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    ← NOTICE ACTION
                                             PLAN SF BIT "1"
```
Toggle Twice

OVERLAP C

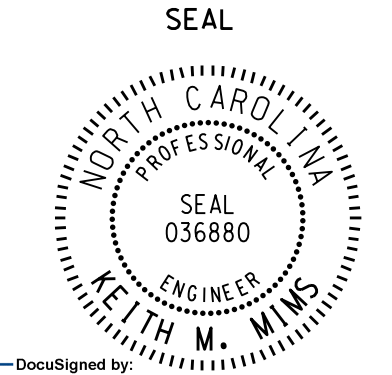Select TMG VEH OVLP [C] and 'PPLT FYA'

```
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    ← NOTICE ACTION
                                             PLAN SF BIT "5"
```

END PROGRAMMING

```
THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-1224
DESIGNED: December 2015
SEALED: 8-24-16
REVISED: N/A
```

Electrical Detail Sheet 2 of 3

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared In the Offices of:

Transportation Mobility and Safety Division
DEPARTMENT OF TRANSPORTATION OF NORTH CAROLINA
Signal Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

US 401 (Ramsey Street)
at
Lowe's Entrance

Division 6	Cumberland County	Fayetteville
PLAN DATE: August 2016	REVIEWED BY:	BAS
PREPARED BY: James Peterson	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
036880
ENGINEER
KEITH M. MIMS

DocuSigned by:
Keith M. Mims   9/20/2016
2F807B6E8CC034A5   DATE

SIG. INVENTORY NO. 06-1224