ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING
DETAIL FOR PREEMPT ONLY PHASE OMIT
(program controller as shown)

The following logic processor configuration holds the FYA's on signal heads 31 and 71 red during normal phasing opperation and only become an active phase when Preemtion calls are activated.

1. From Main Menu select [1. CONFIGURATION]

2. From CONFIGURATION Submenu select [8. LOGIC PROCESSOR]

3. From LOGIC PROCESSOR Submenu select [2. LOGIC STATEMENTS]

ENTER A "1" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   1   COPY FROM:   1   ACTIVE:  M   (T/F)
IF     PMT PREEMT ACTIVE      4    IS     OFF
THEN   CTR OMIT PHASE         7           ON
ELSE
```
LOGIC FOR OMMITTING PHASE 7 AT STARTUP AND/OR WHEN NOT IN PREEMPT

ENTER A "2" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   2   COPY FROM:   2   ACTIVE:  M   (T/F)
IF     PMT PREEMT ACTIVE      6    IS     OFF
THEN   CTR OMIT PHASE         3           ON
ELSE
```
LOGIC FOR OMMITTING PHASE 3 AT STARTUP AND/OR WHEN NOT IN PREEMPT

END PROGRAMMING

4. From LOGIC PROCESSOR Submenu select [1. LOGIC STATEMENT CONTROL]

ENABLE LOGIC PROCESSOR STATEMENTS 1 & 2 BY POSITIONING THE CURSOR OVER THE FIELDS SHOWN BELOW AND USING THE TOGGLE KEY TO ENABLE THEM.

```
LOGIC STATEMENT CONTROL
          1 2 3 4 5 6 7 8 9 0 1 2 3 4 5
LP 1-15   E E . . . . . . . . . . . . .
LP 16-30  . . . . . . . . . . . . . . .
LP 31-45  . . . . . . . . . . . . . . .
LP 46-60  . . . . . . . . . . . . . . .
LP 61-75  . . . . . . . . . . . . . . .
LP 76-90  . . . . . . . . . . . . . . .
```

END PROGRAMMING

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.

2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
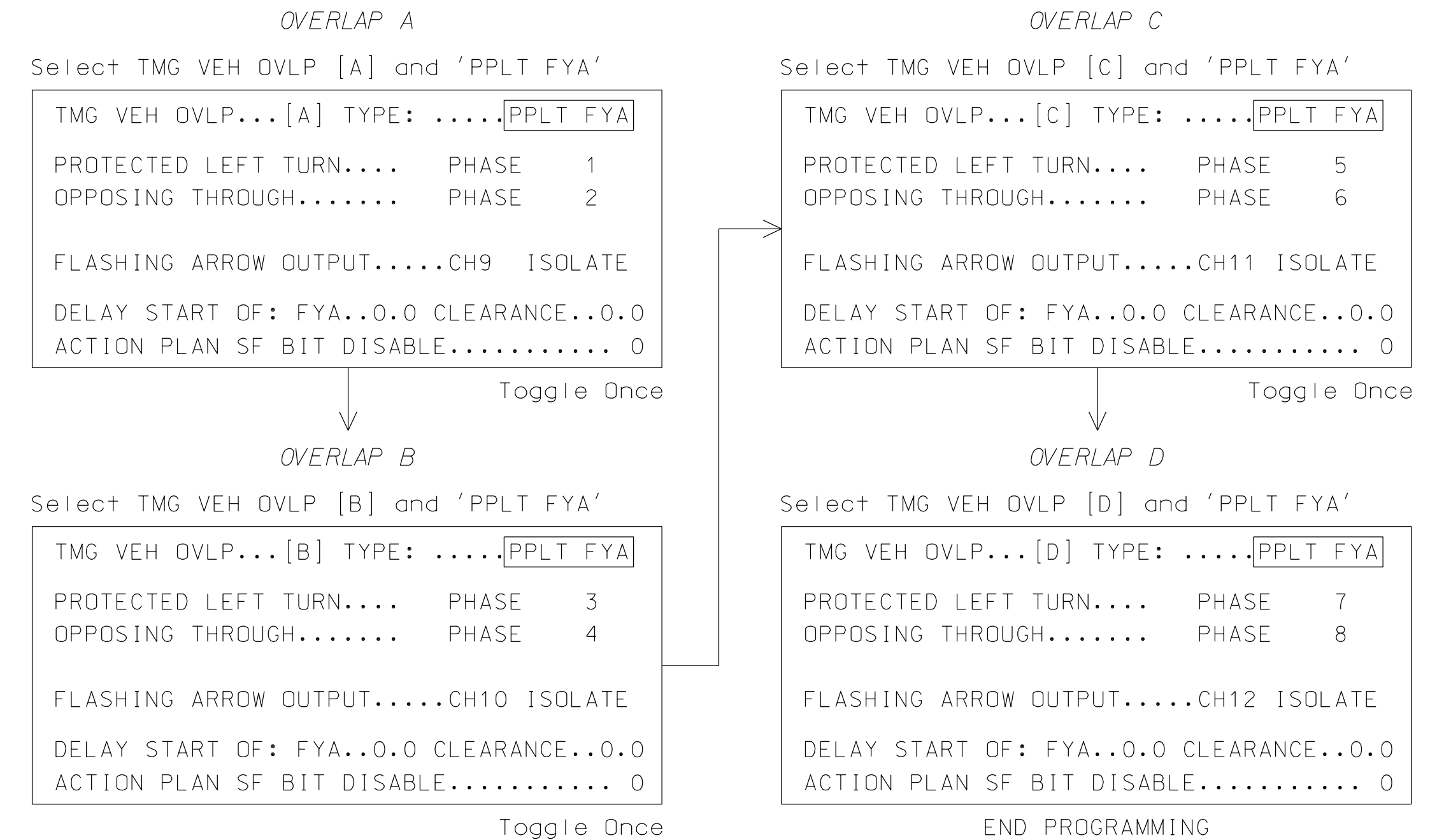
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

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........... 0
```
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.....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........... 0
```
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.....CH12 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE........... 0
```

END PROGRAMMING

ECONOLITE ASC/3-2070 PREEMPT
FILTERING PROGRAMMING DETAIL
(program controller as shown)

1. From Main Menu select [4. PREEMPTOR/TSP]

2. From PREEMPT/TSP/SCP Submenu select [2. ENABLE PREEMPT FILTERING & TSP/SCP]

```
ENABLE PREEMPT FILTERING & TSP/SCP
FILTERED        SOLID        PULSING
INPUT  1 ...BYPASSED.. ...BYPASSED..
       2 ...BYPASSED.. ...BYPASSED..
       3 ..PREEMPT  3. ...BYPASSED..
       4 ..PREEMPT  4. ...BYPASSED..
       5 ..PREEMPT  5. ...BYPASSED..
       6 ..PREEMPT  6. ...BYPASSED..
       7 ...BYPASSED.. ...BYPASSED..
       8 ...BYPASSED.. ...BYPASSED..
       9 ...BYPASSED.. ...BYPASSED..
      10 ...BYPASSED.. ...BYPASSED..
```

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 01-0755
DESIGNED: MARCH 2018
SEALED: 09/20/2018
REVISED: N/A

Electrical Detail - Sheet 2 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

NC 344 (Halstead Blvd. Ext.)
at
Mt. Everest Way/
Mt. Everest Drive

Division 1	Pasquotank County	Elizabeth City

PLAN DATE: March 2018	REVIEWED BY: AJ Davis
PREPARED BY: DJ White	REVIEWED BY: LM Moon

REVISIONS

SIG. INVENTORY NO. 01-0755