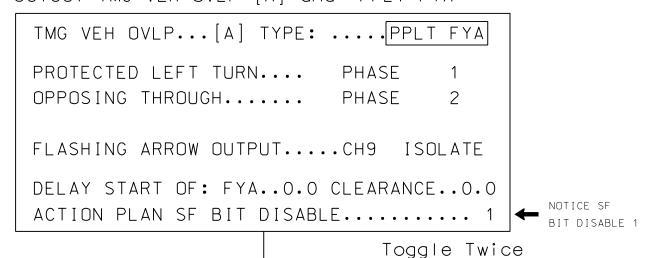| PROJECT REFERENCE NO.	SHEET NO.
U-4405	SIG-75.2

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select [2. CONTROLLER]

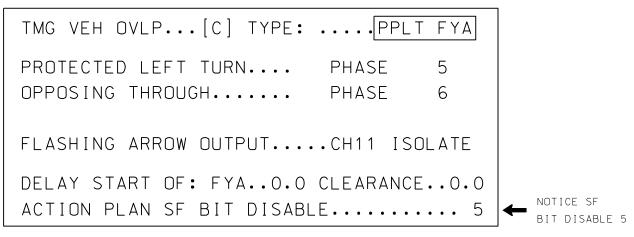2. From CONTROLLER Submenu select [2. VEHICLE OVERLAPS]

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..O.O CLEARANCE..O.O
ACTION PLAN SF BIT DISABLE........... 1   ← NOTICE SF
                                            BIT DISABLE 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..O.O CLEARANCE..O.O
ACTION PLAN SF BIT DISABLE........... 5   ← NOTICE SF
                                            BIT DISABLE 5
```
END PROGRAMMING

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING FREE RUN – 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 BITS 1 and 5.

TO RUN ALT. PHASING DURING COORDINATION – SELECT THE TIME BASED ACTION PLAN THAT IS PROGRAMMED TO SELECT VEH DET PLAN 2 AND ENABLE SF BITS 1 and 5.

PHASING	VEH DET PLAN	SF BITS ENABLED
ACTIONS REQUIRED TO RUN DEFAULT PHASING	1	NONE
ACTIONS REQUIRED TO RUN ALTERNATE PHASING	2	1, 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 BITS 1 AND 5 AND VEH DET PLAN 2 ACTIVATE TO CALL THE "ALTERNATE PHASING":

SF BITS 1,5: Modifies overlap parent phases for heads 11 and 51 to run protected turns only.

VEH DET PLAN 2: Disables phase 6 call on loop 1A and reduces delay time for phase 1 call on loop 1A to 3 seconds.

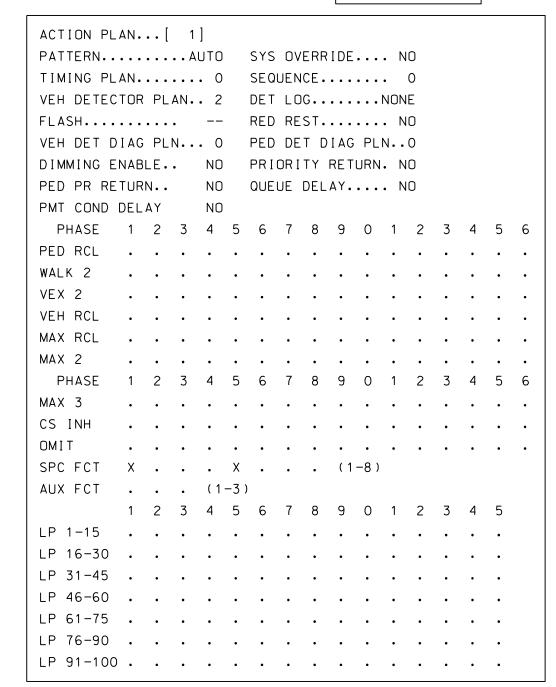Disables phase 2 call on loop 5A and reduces delay time for phase 5 call on loop 5A to 3 seconds.

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...[ 1]
PATTERN..........AUTO   SYS OVERRIDE.... NO
TIMING PLAN........ O   SEQUENCE........  O
VEH DETECTOR PLAN.. 2   DET LOG........NONE
FLASH...........  --    RED REST........ NO
VEH DET DIAG PLN... O   PED DET DIAG PLN..O
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 . . . . 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   . . . . . . . . . . . . . . .
```
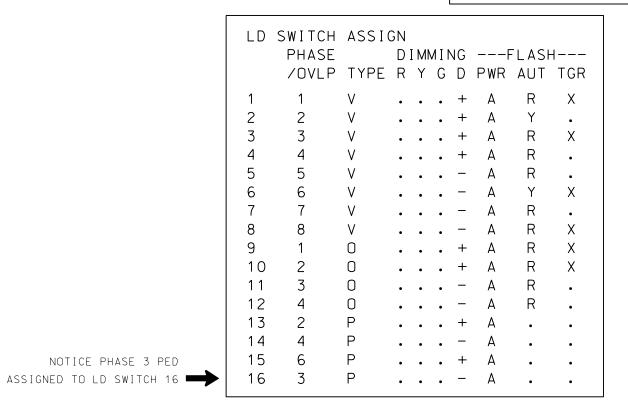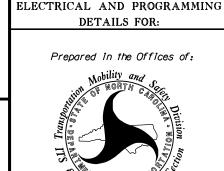
ECONOLITE ASC/3-2070
PED 3 PROGRAMMING ASSIGNMENT DETAIL

(program controller as shown)

1. From Main Menu select [6. DETECTORS]

2. From DETECTOR Submenu select [3. PED DETECTOR INPUT ASSIGNMENT]

```
PED DET PHASE ASSIGNMENT MODE:  NTCIP

  PHASE    1  2  3  4  5  6  7  8
  DETECTOR 0  2  8  0  0  6  0  0      ← NOTICE PED DETECTOR 8
                                         ASSIGNED TO PHASE 3
  PHASE    9 10 11 12 13 14 15 16
  DETECTOR 0  0  0  0  0  0  0  0
```

1. From Main Menu select [1. CONFIGURATION]

2. From CONFIGURATION Submenu select [3. LOAD SW ASSIGN]

```
LD SWITCH ASSIGN
     PHASE      DIMMING ---FLASH---
     /OVLP TYPE R Y G D PWR AUT TGR
 1    1    V    . . . + A   R   X
 2    2    V    . . . + A   Y   .
 3    3    V    . . . + A   R   X
 4    4    V    . . . + A   R   .
 5    5    V    . . . - A   R   .
 6    6    V    . . . - A   Y   X
 7    7    V    . . . - A   R   .
 8    8    V    . . . - A   R   X
 9    1    O    . . . + A   R   X
10    2    O    . . . + A   R   X
11    3    O    . . . - A   R   .
12    4    O    . . . - A   R   .
13    P         . . . + A   .   .
14    4    P    . . . + A   .   .
15    6    P    . . . + A   .   .
16    3    P    . . . - A   .   .
```
← NOTICE PHASE 3 PED
   ASSIGNED TO LD SWITCH 16

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0224T2
DESIGNED: March 2018
SEALED: 03-29-2018
REVISED: N/A

Temporary Design 2 - TMP Phase II
Electrical Detail - Sheet 2 of 3

Stantec

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ELECTRICAL AND PROGRAMMING
DETAILS FOR:
Prepared In the Offices of:
750 N.Greenfield Pkwy,Garner,NC 27529

US 401 Business (Raeford Road)
at
Purdue Drive/
SteinMart Driveway

Division 6   Cumberland County   Fayetteville

PLAN DATE: March 2018	REVIEWED BY: L Overn
PREPARED BY: G B Spell	REVIEWED BY:

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
045933
LAWRENCE E. OVERN II
ENGINEER

REVISIONS	INIT.	DATE

3/29/2018

SIG. INVENTORY NO.   06-0224T2