| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-4405A | SIG-3.2 |

## 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 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 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..O.O CLEARANCE..O.O
ACTION PLAN SF BIT DISABLE.......... 5   ← NOTICE ACTION PLAN
                                           SF BIT "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 0 seconds.

Disables phase 2 call on loop 5A and reduces delay time for phase 5 call on loop 5A to 0 seconds.

## COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0845
DESIGNED: July 2021
SEALED: 7/9/2021
REVISED: N/A

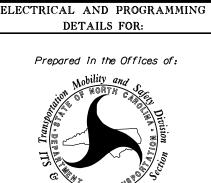THIS PLAN SUPERSEDES THE PLAN SIGNED AND SEALED ON 06/05/2019

Final Design
Electrical Detail - Sheet 2 of 3

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**Stantec**

Stantec Consulting Services Inc.
801 Jones Franklin Road-Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

ELECTRICAL AND PROGRAMMING DETAILS FOR:

*Prepared In the Offices of:*

750 N.Greenfield Pkwy,Garner,NC 27529

US 401 (South Raeford Road) at
SR 3569 (Raeford Rd-Old US 401)/Bentridge Ln.

Division 6    Cumberland County    Fayetteville

| PLAN DATE: | July 2021 | REVIEWED BY: | L Overn |
|---|---|---|---|
| PREPARED BY: | R M Muncey | REVIEWED BY: | |

| REVISIONS | | INIT. | DATE |
|---|---|---|---|

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
43239
ENGINEER
REGINA M. MUNCEY

SIG. INVENTORY NO.    06-0845