ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL

(program controller as shown)

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   FALSE
IF      CTR PHASE TMING      1      IS ON
THEN   SIG SET OLP GREEN     1         OFF
ELSE
```
LOGIC FOR TURNING FLASHING YELLOW ARROW OFF DURING PHASE 1 (HEADS 83,84)

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

```
LP#:   2  COPY FROM:   2  ACTIVE:  M   FALSE
IF      VEH YELLOW ON PH     1      IS ON
THEN   SIG SET OLP YELLOW    1         ON
ELSE
```
LOGIC FOR YELLOW ARROW CLEARANCE WHEN LEAVING PHASE 1 (HEADS 83,84)

ENTER A "3" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   3  COPY FROM:   3  ACTIVE:  M   FALSE
IF      CTR PHASE TIMING     1      IS ON
AND    VEH RED ON PHASE      1      IS ON
THEN   SIG SET OLP RED       1         ON
ELSE
```
LOGIC FOR RED SIGNAL CLEARANCE WHEN LEAVING PHASE 1 (HEADS 83,84)

ENTER A "4" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   4  COPY FROM:   4  ACTIVE:  M   FALSE
IF      CTR PHASE TMING      5      IS ON
THEN   SIG SET OLP GREEN     3         OFF
ELSE
```
LOGIC FOR TURNING FLASHING YELLOW ARROW OFF DURING PHASE 5 (HEADS 43,44)

ENTER A "5" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   5  COPY FROM:   5  ACTIVE:  M   FALSE
IF      VEH YELLOW ON PH     5      IS ON
THEN   SIG SET OLP YELLOW    3         ON
ELSE
```
LOGIC FOR YELLOW ARROW CLEARANCE WHEN LEAVING PHASE 5 (HEADS 43,44)

ENTER A "6" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   6  COPY FROM:   6  ACTIVE:  M   FALSE
IF      CTR PHASE TIMING     5      IS ON
AND    VEH RED ON PHASE      5      IS ON
THEN   SIG SET OLP RED       3         ON
ELSE
```
LOGIC FOR RED SIGNAL CLEARANCE WHEN LEAVING PHASE 5 (HEADS 43,44)

ENTER A "7" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   7  COPY FROM:   7  ACTIVE:  M   FALSE
IF      VEH OVERLAP          8      IS ON
THEN   SIG SET OVLP GREEN    4         OFF
ELSE
```
LOGIC FOR TURNING FLASHING YELLOW ARROW OFF DURING OLH, WHICH HAS PARENT PHASE 3 (HEADS 24,25)

ENTER A "8" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   8  COPY FROM:   8  ACTIVE:  M   FALSE
IF      VEH OVERLAP YLW      8      IS ON
THEN   SIG SET OLP YELLOW    4         ON
ELSE
```
LOGIC FOR YELLOW ARROW CLEARANCE WHEN LEAVING OLH, WHICH HAS PARENT PHASE 3 (HEADS 24,25)

ENTER A "9" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

```
LP#:   9  COPY FROM:   9  ACTIVE:  M   FALSE
IF      VEH OVERLAP          8      IS ON
AND    VEH OVERLAP RED       8      IS ON
THEN   SIG SET OLP RED       4         ON
ELSE
```
LOGIC FOR RED SIGNAL CLEARANCE WHEN LEAVING OLH, WHICH HAS PARENT PHASE 3 (HEADS 24,25)

END PROGRAMMING

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

ENABLE LOGIC PROCESSOR STATEMENTS 1-9 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 E E E E E E E . . . . . .
LP 16-30   . . . . . . . . . . . . . . .
LP 31-45   . . . . . . . . . . . . . . .
LP 46-60   . . . . . . . . . . . . . . .
LP 61-75   . . . . . . . . . . . . . . .
LP 76-90   . . . . . . . . . . . . . . .
```

END PROGRAMMING

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0155
DESIGNED: March 2018
SEALED: 03-29-2018
REVISED: N/A
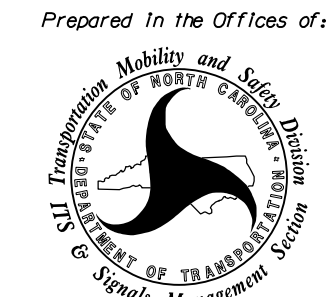
Final Design
Electrical Detail - Sheet 3 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Stantec

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

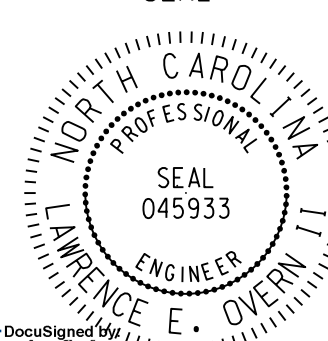US 401 Business (Raeford Road) at NC 59 (Hope Mills Road)/ SR 1592 (Glensford Drive)

Division 6	Cumberland County	Fayetteville
PLAN DATE:	March 2018	REVIEWED BY: L Overn
PREPARED BY:	R M Muncey	REVIEWED BY:

REVISIONS		INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
045933
ENGINEER
LAWRENCE E. OVERN II

3/29/2018

SIG. INVENTORY NO. 06-0155