(program controller as shown)

1. From Main Menu select 2. CONTROLLER

2. From CONTROLLER Submenu select | 2. VEHICLE OVERLAPS

Toggle Twice

Toggle Once

Toggle to 'Overlap E'

OVERLAP E

Select TMG VEH OVLP [E] and 'NORMAL'

TMG VEH OVLP...[E] TYPE:NORMAL PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 LAG GRN 0.0 YEL 0.0 RED 0.0

OVERLAP G

Select TMG VEH OVLP [G] and 'NORMAL'

TMG VEH OVLP...[G] TYPE:NORMAL PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 LAG GRN 0.0 YEL 0.0 RED 0.0 Toggle Once

OVERLAP H

Select TMG VEH OVLP [H] and 'NORMAL'

TMG VEH OVLP...[H] TYPE:NORMAL PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 LAG GRN 0.0 YEL 0.0 RED 0.0

OVERLAP I

Select TMG VEH OVLP [I] and 'NORMAL'

TMG VEH OVLP...[I] TYPE:NORMAL PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 LAG GRN 0.0 YEL 0.0 RED 0.0

> Toggle to 'Overlap A' 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 Toggle Once

OVERLAP B

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

TMG VEH OVLP...[B] TYPE: PPLT FYA PROTECTED LEFT TURN.... OVERLAP G OPPOSING THROUGH..... PHASE 4

FLASHING ARROW OUTPUT....CH10 ISOLATE

DELAY START OF: FYA..O.O CLEARANCE..O.O 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.... OVERLAP H OPPOSING THROUGH..... PHASE 2

FLASHING ARROW OUTPUT....CH11 ISOLATE DELAY START OF: FYA..O.O CLEARANCE..O.O ACTION PLAN SF BIT DISABLE..... 0

END PROGRAMMING

ECONOLITE ASC/3-2070 VEHICLE DETECTOR SETUP PROGRAMMING DETAIL FOR ALTERNATE PHASING LOOP 1A

(program controller as shown)

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 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] TYPF: N-NTCIP TS2 DETECTOR.... . ECPI LOG.... NO DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 ENSURE DELAY CALL OPTION.... YES DELAY TIME... 0.0 EXT OPTION. PASSAGE EXTENSION TIME. O.C USE ADDED INITIAL . CROSS SWITCH PH.. O 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] TYPE: G-GREEN EXTENSION/DELAY TS2 DETECTOR..... ECPI LOG..... NO ENSURE DET PH - 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 PHASE IS SET → EXTEND TIME... 0.0 DELAY TIME... 3.0 TO "O" USE ADDED INITIAL . CROSS SWITCH PH.. O LOCK IN..... NONE NTCIP VOL . OR OCC . PMT QUEUE DELAY- NO

END PROGRAMMING

G AtkinsRéalis 1616 EAST MILLBROOK ROAD. SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

ECONOLITE ASC/3-2070

PROJECT REFERENCE NO. | SHEET NO.

| Sig. 15.2

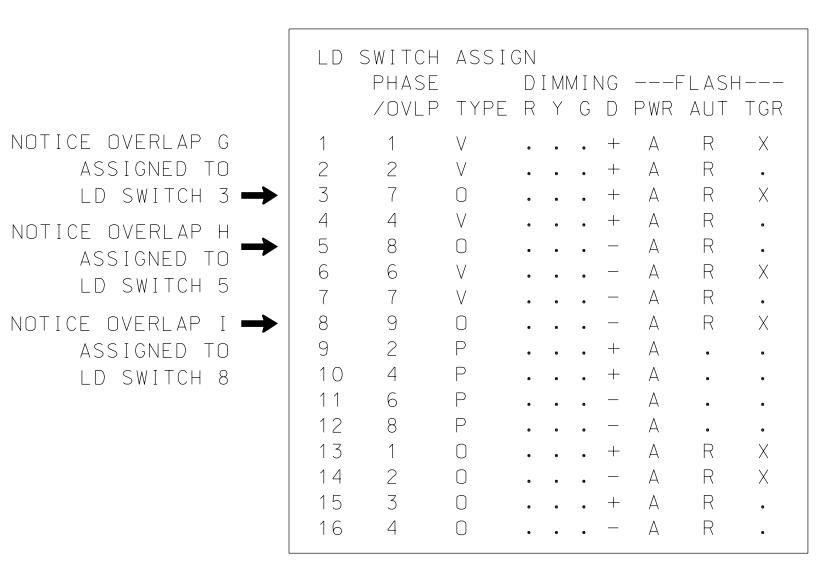
U-4758

(program controller as shown)

LOAD SWITCH ASSIGNMENT DETAIL

To assign load switches S4 as OLG, S7 as OLH, and S11 as OLI, program LD SWITCH 3 as OVLP '7' TYPE '0', LD SWITCH 5 as OVLP '8' TYPE '0', LD SWITCH 8 as OVLP '9' TYPE '0' an as shown below.

- 1. From Main Menu select | 1. CONFIGURATION
- 2. From CONFIGURATION Submenu select 3. LOAD SW ASSIGN



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: Ø7-1114 DESIGNED: January 2025 SEALED: 03-14-2025 REVISED: N/A

Electrical Detail - Sheet 2 of 4

ELECTRICAL AND PROGRAMMING Prepared for the Offices of:

SR 1820 (Sandy Ridge Road)

SR 1837 (Clinard Farms Road) Division 7 Guilford County

PLAN DATE: January 2025 REVIEWED BY: AM Encarnacion PREPARED BY: JT Stiff REVIEWED BY: PL Alexander REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED

SIG. INVENTORY NO. 07-1114