

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select 2. CONTROLLER
- From CONTROLLER Submenu select 2. VEHICLE OVERLAPS

OVERLAP A

Select TMG VEH OVLP [A] and 'OTHER/ECONOLITE'

```

TMG VEH OVLP...[A] TYPE: OTHER/ECONOLITE
  PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED X . . . . . X . . . . .
PROTECT . . . . .
PED PRTC . . . . .
NOT OVLP . . . . .
FLSH GRN 1 . . . . . 1 . . . . .
LAG X PH . . . . .
LAG 2 PH . . . . .
LAG GRN 0.0 YEL 0.0 RED 0.0 ADV GRN 0.0
    
```

Toggle Twice

OVERLAP C

Select TMG VEH OVLP [C] and 'OTHER/ECONOLITE'

```

TMG VEH OVLP...[C] TYPE: OTHER/ECONOLITE
  PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED . . . X X . . . . .
PROTECT . . . . .
PED PRTC . . . . .
NOT OVLP . . . . .
FLSH GRN . . . 1 1 . . . . .
LAG X PH . . . . .
LAG 2 PH . . . . .
LAG GRN 0.0 YEL 0.0 RED 0.0 ADV GRN 0.0
    
```

Toggle Once

OVERLAP D

Select TMG VEH OVLP [D] and 'OTHER/ECONOLITE'

```

TMG VEH OVLP...[D] TYPE: OTHER/ECONOLITE
  PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
INCLUDED . X X . . . . .
PROTECT . . . . .
PED PRTC . . . . .
NOT OVLP . . . . .
FLSH GRN . 1 1 . . . . .
LAG X PH . . . . .
LAG 2 PH . . . . .
LAG GRN 0.0 YEL 0.0 RED 0.0 ADV GRN 0.0
    
```

Toggle Twice

OVERLAP F

Select TMG VEH OVLP [F] and 'NORMAL'

```

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

Toggle Twice

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
INCLUDED . . X . . . . .
LAG GRN 0.0 YEL 0.0 RED 0.0
    
```

END PROGRAMMING

ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

To assign load switch S10 as DLH, program LD SWITCH 7 as OVLP '8' TYPE '0' as shown below.

- From Main Menu select 1. CONFIGURATION
- 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 | 8 | O | . | . | . | - | 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 | Y | . |
| 13 | 2 | P | . | . | . | + | A | . | . |
| 14 | 4 | P | . | . | . | - | A | . | . |
| 15 | 6 | P | . | . | . | + | A | . | . |
| 16 | 8 | P | . | . | . | - | A | . | . |

FLASHER CIRCUIT MODIFICATION DETAIL

In order to ensure that signals flash concurrently on the Same approach, make the following flasher circuit changes:

- On rear of PDA - remove wire from Term. T2-4 and terminate on T2-2.
- On rear of PDA - remove wire from Term. T2-5 and terminate on T2-3.
- Remove flasher unit 2.

The changes listed above ties all phases and overlaps to flasher unit 1.

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 2 of 3

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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| 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 | Prepared in the Offices of: LAWRENCE E. OVERN ENGINEER 045933 | 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: | SEAL LAWRENCE E. OVERN ENGINEER 045933 3/29/2018 |
| | REVISIONS _____ INIT. DATE _____ _____ | DATE _____ _____ | DATE _____ _____ |

DATE: 03/29/2018 10:45:11 AM User: rlmuncy