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

Toggle to 'Overlap G'

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
INCLUDED X . . . . . . . . . . . . . . . .

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..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE...........0
```

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..0.0 CLEARANCE..0.0
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....    PHASE    5
OPPOSING THROUGH.......    PHASE    6

FLASHING ARROW OUTPUT.....CH11 ISOLATE

DELAY START OF: FYA..0.0 CLEARANCE..0.0
ACTION PLAN SF BIT DISABLE...........0
```

Toggle Twice

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
INCLUDED . . X . . . . . . . . . . . . .

LAG GRN 0.0 YEL 0.0 RED 0.0
```

END PROGRAMMING

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   4   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
```

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA – REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-3.

2. ON REAR OF PDA – REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-2.

3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

To assign load switches S4 OLG,
program LD SWITCH 3 as OVLP '7' TYPE '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   X
 3    7    O   . . . +   A   R   X
 4    4    V   . . . +   A   R   X
 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   Y   X
10    2    O   . . . +   A   R   X
11    3    O   . . . −   A   Y   .
12    4    O   . . . −   A   R   .
13    2    P   . . . +   A   .   .
14    4    P   . . . −   A   .   .
15    6    P   . . . +   A   .   .
16    3    P   . . . −   A   .   .
```

NOTICE OVERLAP G
ASSIGNED TO LD SWITCH 3 →

NOTICE PHASE 3 PED
ASSIGNED TO LD SWITCH 16 →

Electrical Detail - Sheet 2 of 2 - Temporary Design 1

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Mobility and Safety Division · Signals Management Section

750 N.Greenfield Pkwy,Garner,NC 27529

US 129
at
NC 143 (Sweetwater Road) /
Kerr Drug Entrance

Division 14	Graham County	Robbinsville
PLAN DATE: May 2022	REVIEWED BY: J. Ma	
PREPARED BY: M.L. Stygles	REVIEWED BY:	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
033108
ENGINEER
JIANXIN MA

REVISIONS	INIT.	DATE

DocuSigned by:
Jianxin Ma   5/10/2022
DATE

SIG. INVENTORY NO. 14-0750T1