PROJECT REFERENCE NO.	SHEET NO.
U-5875	Sig. 11.2

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 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
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........... 1
```

← NOTICE ACTION PLAN SF BIT "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     8

FLASHING ARROW OUTPUT.....CH10 ISOLATE

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

Toggle Two Times

OVERLAP D

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

```
TMG VEH OVLP...[D] TYPE: .....PPLT FYA

PROTECTED LEFT TURN....    OVERLAP   H
OPPOSING THROUGH.......    PHASE     2

FLASHING ARROW OUTPUT.....CH12 ISOLATE

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

END PROGRAMMING

ECONOLITE ASC/3-2070 STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select **2. CONTROLLER**
2. From CONTROLLER Submenu select **5. START/FLASH**

```
START/FLASH DATA
------START UP---------------------------
         1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
PHASE        G       G
         A B C D E F G H I J K L M N O P
OVERLAP  X X X X X X X X X X X X X X X X
FLASH>MON. NO FL TIME..  0 ALL RED...  6
PWR START SEQ..  1 MUTCD> YES   Y- G: NO
```

Scroll down on this screen and set "Exit FL" to Green "G"

ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL

(program controller as shown)

To assign load switch S4 as OLG and load switch S10 as OLH, program LD SWITCH 3 as OVLP '7 TYPE 'O' and LD SWITCH 7 as OVLP '8' TYPE 'O' as shown below.

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

LD SWITCH ASSIGN

		PHASE /OVLP	TYPE	DIMMING R	DIMMING Y	DIMMING G	DIMMING D	FLASH PWR	FLASH AUT	FLASH TGR
	1	1	V	.	.	.	+	A	R	X
	2	2	V	.	.	.	+	A	R	.
→	3	7	O	.	.	.	+	A	R	X
	4	4	V	.	.	.	+	A	R	.
	5	5	V	.	.	.	−	A	R	.
	6	6	V	.	.	.	−	A	R	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	R	.
	13	2	P	.	.	.	+	A	.	.
	14	4	P	.	.	.	−	A	.	.
	15	6	P	.	.	.	+	A	.	.
	16	8	P	.	.	.	−	A	.	.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0921
DESIGNED: July 2025
SEALED: 07/22/2025
REVISED: N/A

Electrical Detail - Sheet 2 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RS&H
NC FIRM LICENSE No: F-0493
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(919) 926-4100

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:
Transportation Mobility and Safety Division
ITS & Signals Management Section
750 N.Greenfield Pkwy.Garner,NC 27529

SR 1203 (Allen Road)
at
Briarcliff Drive

Division 02 Pitt County Greenville

PLAN DATE: July 2025	REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/22/2025
D633DCC9A5D44B6...

SIGNATURE DATE

SIG. INVENTORY NO. 02-0921

7/22/2025
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