PROJECT REFERENCE NO.	SHEET NO.
B-4838	Sig. 6.2

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN
'1' (VEHICLE OVERLAP SETTINGS).

```
PAGE 1: VEHICLE OVERLAP 'A' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:|XX
VEH OVL NOT VEH:|
VEH OVL NOT PED:|
VEH OVL GRN EXT:|
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN      ← NOTICE
SELECT VEHICLE OVERLAP OPTIONS:  (Y/N)          GREEN
FLASH YELLOW IN CONTROLLER FLASH?...N           FLASH
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```

PRESS '+'

```
PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:|    XX
VEH OVL NOT VEH:|
VEH OVL NOT PED:|
VEH OVL GRN EXT:|
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN      ← NOTICE
SELECT VEHICLE OVERLAP OPTIONS:  (Y/N)          GREEN
FLASH YELLOW IN CONTROLLER FLASH?...N           FLASH
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```

PRESS '+'

```
PAGE 1: VEHICLE OVERLAP 'B' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:|  X
VEH OVL NOT VEH:|
VEH OVL NOT PED:|
VEH OVL GRN EXT:|
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN      ← NOTICE
SELECT VEHICLE OVERLAP OPTIONS:  (Y/N)          GREEN
FLASH YELLOW IN CONTROLLER FLASH?...N           FLASH
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```

PRESS '+'

```
PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:|     XX
VEH OVL NOT VEH:|
VEH OVL NOT PED:|
VEH OVL GRN EXT:|
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS:  _ RED  _ YELLOW  X GREEN      ← NOTICE
SELECT VEHICLE OVERLAP OPTIONS:  (Y/N)          GREEN
FLASH YELLOW IN CONTROLLER FLASH?...N           FLASH
GREEN EXTENSION (0-255 SEC).........O
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..O.O
RED CLEAR (0=PARENT,0.1-25.5 SEC)...O.O
OUTPUT AS PHASE # (0=NONE, 1-16)....O
```

OVERLAP PROGRAMMING COMPLETE

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during
Ped Clearance Interval. Consult Ped Signal Module user's manual
for instructions on selecting this feature.

ADVANCED WALK NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control
Functions). Program phases 2, 4, 6 and 8 for 'Advanced Walk'. Make
sure the Walk Advance Time shown on the Signal Design plans are
programmed in the 'Phase Timing' menu.

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 T2-2.

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

3. Remove Flasher Unit 2.

The changes listed above tie all phases and overlaps to Flasher Unit 1.

```
THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 04-0234
DESIGNED: February 2025
SEALED: 3/27/2025
REVISED:
```

Electrical Detail - Sheet 2 of 3

ELECTRICAL AND PROGRAMMING
DETAILS FOR: US 70-117 Bus-NC 111/ NC 581 (Ash St)
at
US 70/ US 117 Business (George St)

Prepared for the Offices of:

AECOM

NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Division 4	Wayne County	Goldsboro
PLAN DATE: February 2025	REVIEWED BY: J O Deaton	
PREPARED BY: M W Yalch	REVIEWED BY:	

REVISIONS		INIT.	DATE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
07438
ENGINEER
JAMES O. DEATON

DocuSigned by:
James O. Deaton 3/27/2025
SIGNATURE   DATE

SIG. INVENTORY NO. 04-0234

750 N.Greenfield Pkwy,Garner,NC 27529