PROJECT REFERENCE NO.	SHEET NO.
R-5021	Sig. 37.5

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING COORDINATION – SELECT ALL PAGE CHANGES (AS SHOWN BELOW)
WITHIN COORDINATION PLAN PROGRAMMING.

TO RUN ALT. PHASING DURING FREE RUN – PROGRAM PAGE CHANGES (SHOWN BELOW) IN SEPARATE TIME OF DAY
EVENTS. IF PAGE 1 IS USED, NO EVENT PROGRAMMING IS NECESSARY
FOR THAT PARTICULAR PAGE.

PHASING	INPUTS PAGE	OVERLAPS PAGE
ACTIVE PAGES REQUIRED TO RUN DEFAULT PHASING	1	1
ACTIVE PAGES REQUIRED TO RUN ALTERNATE PHASING	2	2

NOTE: PAGES NOT SHOWN (i.e. sequence, phase control, etc.) SHOULD REMAIN AS '1', OR AS DEFINED BY TIMING ENGINEER.

IMPORTANT: IF ALT. PHASING IS USED DURING FREE RUN AND COORDINATION, DO NOT OPERATE TIME OF DAY
PAGE CHANGE EVENTS CONCURRENTLY WITH COORDINATION PLAN EVENTS IN THE EVENT SCHEDULER.
(EX. FREE RUN PAGE CHANGE EVENT SHOULD END BEFORE COORDINATION PLAN EVENT STARTS AND
VICE-VERSA).

ALTERNATE PHASING PAGE CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN
THESE OVERLAP/INPUT PAGE CHANGES ACTIVATE TO CALL THE
"ALTERNATE PHASING":

OVERLAPS PAGE 2: Modifies overlap parent phases
for heads 11 and 51 to run
protected turns only.

INPUTS PAGE 2: Disables phase 6 call on loop 1A
and reduces delay time for phase 1
call on loop 1A to 3 seconds.

Disables phase 2 call on loop 5A
and reduces delay time for phase 5
call on loop 5A to 3 seconds.

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE 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 TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

DYNAMIC BACK-UP CONTROL PROGRAMMING
(program controller as shown below)

1. From Main Menu press '2' (Phase Control), then '1' (Phase
Control Functions). Scroll to the bottom of the menu and
enable Dynamic/Backup Control Function 1.

2. From Phase Control Functions Menu press '2' (Dynamic/Backup
Control Functions).

```
DYNAMIC/BACKUP CONTROL FUNCTION #01
            OVERLAPS: ABCDEFGHIJKLMNOP
IF OVERLAPS ARE ACTIVE ¦
OR       PHASES: 1234567891011213141516
IF PHASES ARE ON¦    X
OMIT PHASES     ¦    X
CALL PHASES     ¦
```
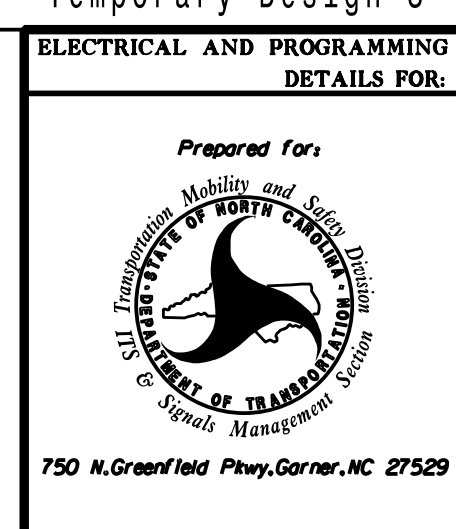
BACKUP PROTECTION PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0897T3
DESIGNED: June 2017
SEALED: 9/10/2021
REVISED: N/A

Electrical Detail - Sheet 5 of 5
Signal Upgrade
Temporary Design 3

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared For:

NC 211 (Howe Street)
at
Tidewater Plaza/Sandy Lane

Division 03	Brunswick Co.	Southport
PLAN DATE: June 2017	REVIEWED BY: A.D. Klinksiek	
PREPARED BY: A.H. Thornburg	REVIEWED BY: N.R. Simmons	

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
031464
ENGINEER
NATASHA R. SIMMONS

REVISIONS	INIT.	DATE

DocuSigned by:
Natasha Simmons
F6DA86DF3AD46A...
SIGNATURE   9/10/2021
                              DATE

SIG. INVENTORY NO. 03-0897T3

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

750 N.Greenfield Pkwy,Garner,NC 27529