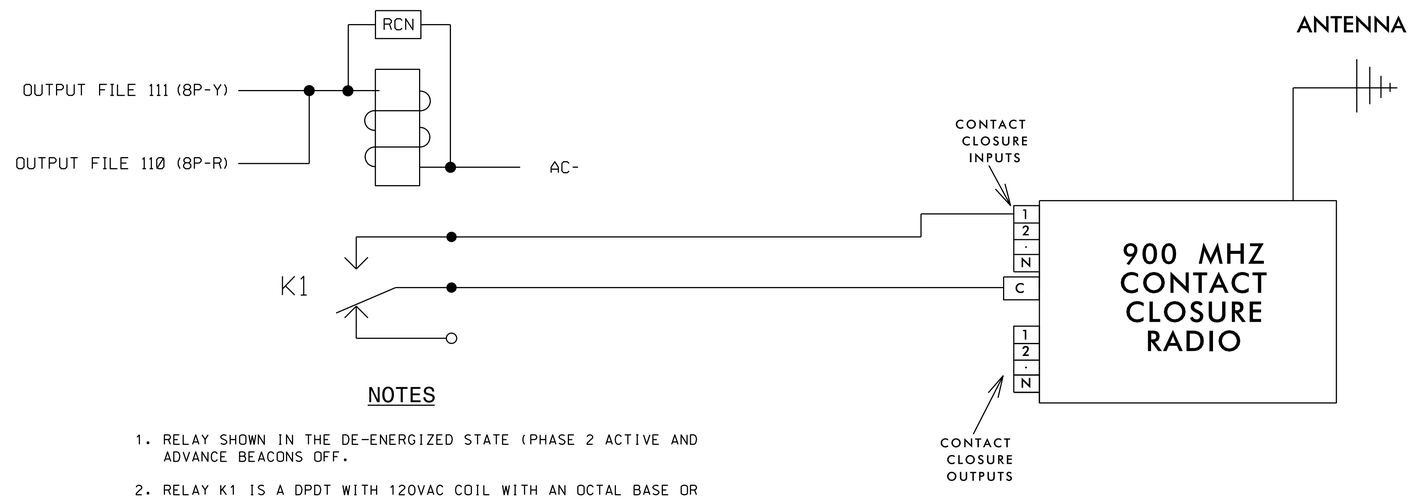
PROJECT REFERENCE NO.	SHEET NO.
W-5205QA	Sig. 3

ADVANCE BEACON RELAY CONTROL DETAIL AT SIGNAL CABINET



NOTES

1. RELAY SHOWN IN THE DE-ENERGIZED STATE (PHASE 2 ACTIVE AND ADVANCE BEACONS OFF.
2. RELAY K1 IS A DPDT WITH 120VAC COIL WITH AN OCTAL BASE OR APPROVED EQUIVALENT.

ADVANCE BEACON CONTROL OVERLAP PROGRAMMING DETAIL

SE-PAC2070 CONTROLLER OVERLAP PROGRAMMING

(program controller as shown below)

FROM MAIN MENU PRESS 4 (UNIT DATA)

```
SE-PAC UNIT DATA          PRESS # DESIRED

 1-STARTUP & MISC       6-ALT SEQUENCES
 2-REMOTE FLASH         7-PORT 1 DATA
 3-OVERLAP STANDARD     8-I/O MISC
 4-OVERLAP SPECIAL      9-SIG DRV OUT
 5-RING STRUCTURE

                        F-PRIOR MENU
```

PRESS 'B' FOUR TIMES

```
SE-PAC OVERLAP - E              (0-NO/1-YES)

 OVL PHASES:  010000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  010000000 0000000000 00000


A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

PRESS 'B' ONE TIME

```
SE-PAC OVERLAP - F              (0-NO/1-YES)

 OVL PHASES:  010000000 0000000
    PHS/CHN:  123456789 0123456789 01234
 OVL CHN(S):  000000000 0010000000 00000


A-UP B-DN D-DspChn   E-EDIT  F-PRIOR MENU
```

PRESS 'F' TO RETURN TO UNIT DATA

```
SE-EPAC UNIT DATA         PRESS # DESIRED

 1-STARTUP & MISC       6-ALT SEQUENCES
 2-REMOTE FLASH         7-PORT 1 DATA
 3-OVERLAP STANDARD     8-I/O MISC
 4-OVERLAP SPECIAL      9-SIG DRV OUT
 5-RING STRUCTURE

                        F-PRIOR MENU
```

```
SE-PAC OVLP.A...B...C...D...E...F...G...H.
   TR GRN   0   0   0   0  13   0   0   0
   YEL/10  00  00  00  00  37  00  00  00
   RED/10  00  00  00  00  13  00  00  00
   -G/Y     0   0   0   0   0   0   0   0
   +GRN     0   0   0   0   0   0   0   0
(-) #-PH G/Y KILLS OVLP= (=) #-PH G STRT
A-UP B-DN C-LT D-RT E-ENTER F-PRIOR MENU
```

OVERLAP PROGRAMMING COMPLETE

NOTE: OVERLAP TIMING USED TO ALLOW ADVANCE BEACONS TO FLASH 13 SECONDS PRIOR TO THE END OF PHASE 2 GREEN.

THIS ELECTRICAL DETAIL SUPERSEDES THE DETAIL SEALED ON 10/21/14

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1046
DESIGNED: February 2015
SEALED: 2/20/2015
REVISED: N/A

Electrical Detail - Temp - Sheet 2 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

Traffic Engineering and Safety Systems Branch
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Management Section

750 N. Greenfield Pkwy, Garner, NC 27529

US 70 EB-401 SB/NC 50 SB
(N. Dawson Street)
at
W. Lane Street

Division 5 Wake County Raleigh

PLAN DATE: February 2015	REVIEWED BY: T. Joyce		
PREPARED BY: C. Strickland	REVIEWED BY:		
REVISIONS		INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022013 ENGINEER GEORGE C. BROWN

DocuSigned by: George C. Brown 3/5/2015
F12801ED08EB434... DATE

SIG. INVENTORY NO. 05-1046

25-FEB-2015 11:16
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cestrickland