OVERLAP PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu – 4) OVERLAP

Press "+"

OVERLAP [2]:
LOADSWITCH = 10   NOTE: For head 81
VEH SET 1 = 8
YELLOW CLEARANCE = 3.7
RED CLEARANCE = 1.8

END OF OVERLAP PROGRAMMING

EMERGENCY VEHICLE PREEMPTION PROGRAMMING

1. Program EVB preempt as follows:
   Main Menu – 2) PREEMPT – 4) EMERGENCY VEHICLE
   EVB Clear = 2
   EVB Clearance Phases = 6

2. Program general preemption parameters as follows:
   Main Menu – 2) PREEMPT – 6) MISC PREEMPTION PARAMETERS
   Min Time Before PE ForceOff = 1

Program extend time on optical detector
unit for 2.0 sec for EVB.

FYA PPLT PROGRAMMING

1. Program Flashing Yellow Arrow phases as follows:
   Main Menu – 1) PHASE – 2) PHASE FUNCTIONS PAGE TWO
   PPLT FYA = PHASE 5

2. Assign output pin for Flashing Yellow Arrow as follows:
   Main Menu – 6) OUTPUTS – F) FYA PPLT
   Phase 5 = 90

3. Redirect RED and YELLOW outputs for the left turn phases
   as follows:
   Main Menu – 6) OUTPUTS – 8) REDIRECT PHASE
   Phase 5 RED = 88, Phase 5 YELLOW = 89

OVERLAP GREEN FLASH PROGRAMMING
DETAIL FOR 3-SECTION FYA HEAD

The following will cause the overlap green outputs
to flash, which are wired to the flashing yellow
arrows. Program as follows:

Main Menu – 1) PHASE – 2) PHASE FUNCTIONS PAGE TWO
OLAP G FL = 2

SPECIAL NOTE EV PREEMPT PROGRAMMING

Setting 'FYA DURING PREEMPT' to 'Y' eliminates yellow trap
when transitioning to preempt from adjacent through phase.
Main Menu – 9) UTILITIES – 9) MISC
FYA DURING PREEMPT (Y/N) = Y
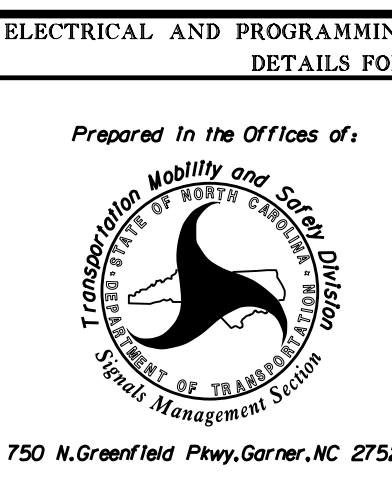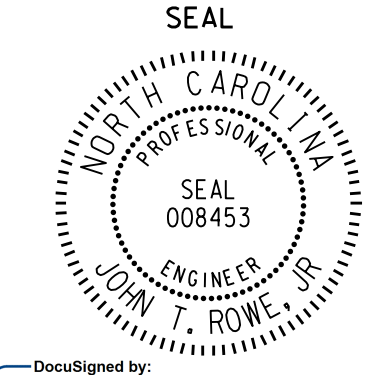
FLASHER CIRCUIT MODIFICATION DETAIL

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.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-0284T1
DESIGNED: September 2014
SEALED: 4/2/15
REVISED: N/A

Electrical Detail – Temporary Design 1 (TMP Phase 1, Steps 1-10) – Sheet 2 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 55 (South Alston Avenue)
at
NC 147 NB Ramp / Gann Street

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

Division 5   Durham County   Durham

PLAN DATE: November 2014   REVIEWED BY: JTR
PREPARED BY: S. Armstrong   REVIEWED BY:

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
008453
ENGINEER
JOHN T. ROWE, JR.

DocuSigned by:
John T. Rowe, Jr. 4/2/2015
DATE

REVISIONS	INIT.	DATE

SIG. INVENTORY NO. 05-0284T1

27-MAR-2015 06:44
S:*ITS&SU*ITS Signals*Working*Groups*Sig Man*Armstrong*050284_sm_ele_xxx.dgn
sarmstrong