

**OVERLAP PROGRAMMING DETAIL**

Program overlaps as follows:  
Main Menu - 4) OVERLAP

Press "+"

OVERLAP [2]:

LOADSWITCH = 10	NOTE: For head 81
VEH SET 1 = 4.8	
YELLOW CLEARANCE = 3.7	
RED CLEARANCE = 2.3	

Press "+" twice

OVERLAP [4]:

LOADSWITCH = 12	NOTE: For head 41
VEH SET 1 = 4.8	
YELLOW CLEARANCE = 3.7	
RED CLEARANCE = 2.3	

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
3. Ped Clear Before Preempt is a pedestrian timing parameter, and is programmed as follows:  
Main Menu - 1) PHASE - 5) PEDESTRIAN TIMING  
PHASE 8 MIN FDW = 4

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 HEADS**

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 = 2,4

**MIN WALK DURING PREEMPTION  
PROGRAMMING**

To disable MIN WALK pedestrian timing during preemption, program the controller as follows:  
Main Menu - 9) UTILITIES - 5) CONFIGURATION  
EXTRA TWO = 3

**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

**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.

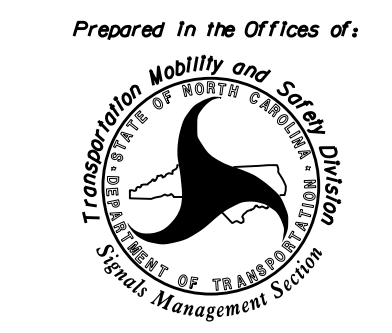
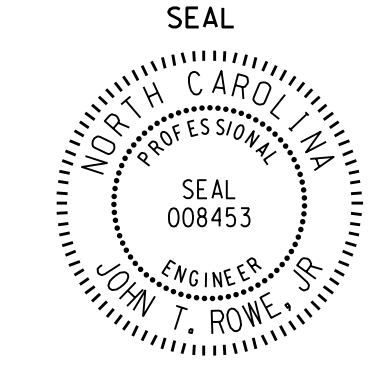
**FLASHER CIRCUIT MODIFICATION DETAIL**

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.

Electrical Detail - Temporary Design 3 (TMP Phase 1, Steps 11-21) - Sheet 2 of 2

	ELECTRICAL AND PROGRAMMING DETAILS FOR:	NC 55 (South Alston Avenue) at NC 147 NB Ramp / Gann Street	SEAL 
	Prepared In the Offices of: S. ARMSTRONG	PLAN DATE: November 2014 PREPARED BY: S. Armstrong	REVIEWED BY: REVIEWED BY:
REVISIONS		INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		SIG. INVENTORY NO. 05-0284T3	

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-0284T3  
DESIGNED: September 2014  
SEALED: 4/2/15  
REVISED: N/A