

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 = 3.8	
RED CLEARANCE = 3.4	

Press "+" twice

OVERLAP [4]:

LOADSWITCH = 12	NOTE: For head 41
VEH SET 1 = 4.8	
YELLOW CLEARANCE = 3.8	
RED CLEARANCE = 3.4	

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 2 MIN FDW = 7
PHASE 4 MIN FDW = 10
PHASE 6 MIN FDW = 4
PHASE 8 MIN FDW = 9

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

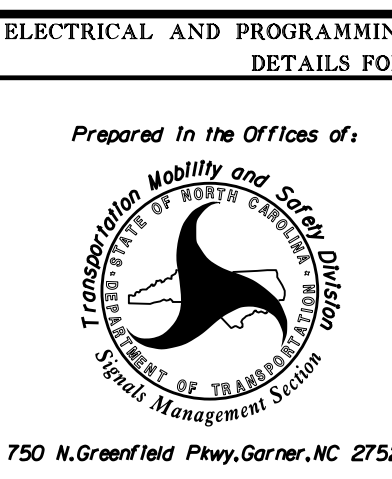
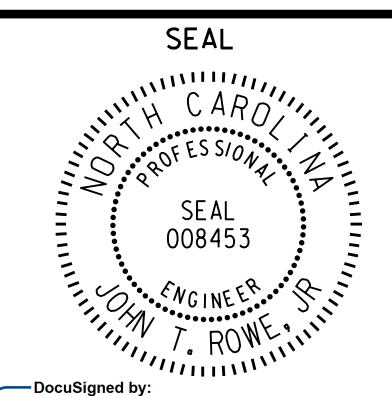

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

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.

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

Electrical Detail - Final Design - Sheet 2 of 2

	DETAILS FOR: NC 55 (South Alston Avenue) at NC 147 NB Ramp / Gann Street							
	Division 5 Durham County PLAN DATE: November 2014 REVIEWED BY: JTR Durham PREPARED BY: S. Armstrong REVIEWED BY:							
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