

OVERLAPS [1-4] PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu - 4) OVERLAP

OVERLAP [1]:

LOADSWITCH = 9 NOTE: FOR SIGNAL HEAD 61
VEH SET 1 = 2
YELLOW CLEARANCE = 4.0
RED CLEARANCE = 2.1

PRESS '+' TWICE

OVERLAP [3]:

LOADSWITCH = 11 NOTE: FOR SIGNAL HEAD 21
VEH SET 1 = 6
YELLOW CLEARANCE = 4.0
RED CLEARANCE = 2.1

PRESS '+'

OVERLAP [4]:

LOADSWITCH = 12 NOTE: FOR SIGNAL HEAD 41
VEH SET 1 = 8
YELLOW CLEARANCE = 4.1
RED CLEARANCE = 1.5

END OF OVERLAP PROGRAMMING

FYA PPLT PROGRAMMING

1. Program Flashing Yellow Arrow phases as follows:
Main Menu - 1) PHASE - 2) PHASE FUNCTIONS PAGE TWO
PPLT FYA = PHASE 3
2. Assign output pin for Flashing Yellow Arrow as follows:
Main Menu - 6) OUTPUTS - F) FYA PPLT
Phase 3 = 96
3. Redirect RED and YELLOW outputs for the left turn phases as follows:
Main Menu - 6) OUTPUTS - 8) REDIRECT PHASE
Phase 3 RED = 94, Phase 3 YELLOW = 95

EMERGENCY VEHICLE PREEMPTION PROGRAMMING

1. Program EVB preempt as follows:
Main Menu - 2) PREEMPT - 2) EMERGENCY VEHICLE
EVB Clear = 2
EVB Clearance Phases = 3.8
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 = 6
PHASE 6 MIN FDW = 7
PHASE 8 MIN FDW = 8

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

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.

SPECIAL NOTES 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.

OVERLAP GREEN FLASH PROGRAMMING FOR 3 SECTION FYA

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

Main Menu - 1) PHASE - 2) PHASE FUNCTIONS PAGE TWO
OLAP G FL = 1, 3, 4

MIN WALK DURING PREEMPTION PROGRAMMING

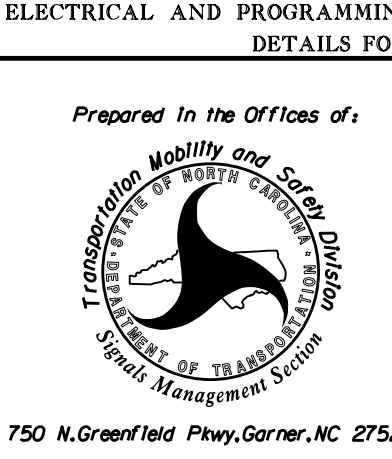
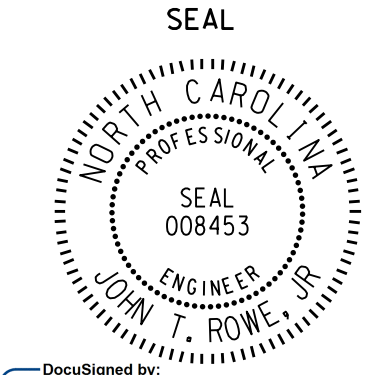
To disable MIN WALK pedestrian timing during preemption, program the controller as follows:
Main Menu - 9) UTILITIES - 5) CONFIGURATION
EXTRA TWO = 3

STARTUP CALLS PROGRAMMING

Prevents Veh Call to phase 3 during Startup. Phase 3 used only during Preempt.
Main Menu - 9) UTILITIES - 1) STARTUP
VEHICLE CALLS 2.4.6.8

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1030T1
DESIGNED: September 2014
SEALED: 4-02-15
REVISED: N/A

Electrical Detail - Sheet 2 of 2

	NC 55 (South/North Alston Avenue) at E. Main St.		
	Division 5 PLAN DATE: November 2014 PREPARED BY: James Peterson	Durham County REVIEWED BY: JTR REVIEWED BY:	
DocuSigned by: John T. Rowe, Jr. 4/2/2015 841D9C145E6E5			DATE:

SIG. INVENTORY NO. 05-1030T1

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 J. Peterson