

OVERLAPS [2-4] PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu - 4) OVERLAP

PRESS '+'

OVERLAP [2]:
LOADSWITCH = 10 NOTE: FOR SIGNAL HEAD 81
VEH SET 1 = 4+8
YELLOW CLEARANCE = 4.1
RED CLEARANCE = 2.9

PRESS '+'

OVERLAP [3]:
LOADSWITCH = 11 NOTE: FOR SIGNAL HEAD 21
VEH SET 1 = 2+6
YELLOW CLEARANCE = 4.1
RED CLEARANCE = 2.4

PRESS '+'

OVERLAP [4]:
LOADSWITCH = 12 NOTE: FOR SIGNAL HEAD 41
VEH SET 1 = 4+8
YELLOW CLEARANCE = 4.1
RED CLEARANCE = 2.9

END OF OVERLAP PROGRAMMING

**FYA PPLT PROGRAMMING
(SIGNAL HEAD 11)**

1. Program Flashing Yellow Arrow phases as follows:
Main Menu - 1) PHASE - 2) PHASE FUNCTIONS PAGE TWO
PPLT FYA = PHASE 1
2. Assign output pin for Flashing Yellow Arrow as follows:
Main Menu - 6) OUTPUTS - F) FYA PPLT
Phase 1 = 99
3. Redirect RED and YELLOW outputs for the left turn phases as follows:
Main Menu - 6) OUTPUTS - 8) REDIRECT PHASE
Phase 1 RED = 97, Phase 1 YELLOW = 98

EMERGENCY VEHICLE PREEMPTION PROGRAMMING

1. Program EVB preempt as follows:
Main Menu - 2) PREEMPT - 4) EMERGENCY VEHICLE
EVB Clear = 2
EVB Clearance Phases = 1.6
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 = 5
PHASE 4 MIN FDW = 9
PHASE 6 MIN FDW = 4
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.

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

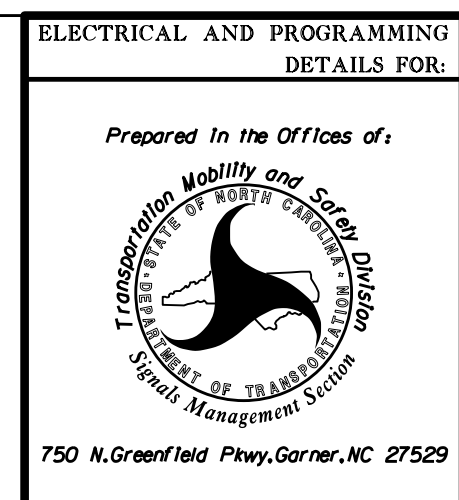
**OVERLAP GREEN FLASH PROGRAMMING
FOR 3 SECTION FYA**

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 = 2, 3, 4

Electrical Detail - Sheet 2 of 2

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1026
DESIGNED: September 2014
SEALED: 04/02/2015
REVISED: N/A



ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 55 (South Alston Avenue) at SR 1926 (Angier Avenue)	
Prepared In the Offices of:	Division 5	Durham County	Durham
	PLAN DATE: November 2014	REVIEWED BY: T. Joyce	
	PREPARED BY: C. Strickland	REVIEWED BY:	
REVISIONS	INIT.	DATE	

SEAL

DocuSigned by:
George C. Brown 4/2/2015
F12801E050E8434
DATE

SIG. INVENTORY NO. 05-1026

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