

EMERGENCY VEHICLE PREEMPTION PROGRAMMING

1. Program EVB preempt as follows:
Main Menu - 2) PREEMPT - 4) 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 6 MIN FDW = 5

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

**FYA PPLT PROGRAMMING
(SIGNAL HEAD 31)**

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

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.

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

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 (4) PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu - 4) OVERLAP

Press "+" Three Times

OVERLAP [4]:
LOADSWITCH = 12
VEH SET 1 = 4.8
YELLOW CLEARANCE = 4.4
RED CLEARANCE = 1.4

END OF OVERLAP PROGRAMMING

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


**OVERLAP GREEN FLASH PROGRAMMING
(SIGNAL HEADS 41)**

The following will cause the overlap green output to flash, which is wired to the FYA. Program as follows:

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

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1029T3
DESIGNED: September 2014
SEALED: 4/2/15
REVISED: N/A

Electrical Detail - Sheet 2 of 2 (Temporary Design 3)

	ELECTRICAL AND PROGRAMMING DETAILS FOR: NC 55 (North Alston Avenue) at Liberty St	SEAL PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN
	Division 5 Durham County Durham PLAN DATE: November 2014 REVIEWED BY: T. Joyce PREPARED BY: B. SIMMONS REVIEWED BY:	
REVISIONS: _____ INIT. DATE _____		SIG. INVENTORY NO. 05-1029T3

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