PROJECT REFERENCE NO.	SHEET NO.
U-3308	Sig. 32.2

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 2 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 (1), (3) & (4) PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu - 4) OVERLAP

OVERLAP [1]:
LOADSWITCH = 9
VEH SET 1 = 2,6
YELLOW CLEARANCE = 3.8
RED CLEARANCE = 1.5

Press "+" Twice

OVERLAP [3]:
LOADSWITCH = 11
VEH SET 1 = 2,6
YELLOW CLEARANCE = 3.8
RED CLEARANCE = 1.5

Press "+"

OVERLAP [4]:
LOADSWITCH = 12
VEH SET 1 = 4,8
YELLOW CLEARANCE = 4.4
RED CLEARANCE = 1.7

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 HEAD 21, 41 & 61)

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 = 1, 3, 4

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1029T2
DESIGNED: September 2014
SEALED: 4/2/15
REVISED: N/A

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

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 55 (North Alston Avenue) at Liberty St

Prepared in the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

Division 5 | Durham County | Durham

PLAN DATE: November 2014	REVIEWED BY: T. Joyce
PREPARED BY: B. Simmons	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022013 ENGINEER GEORGE C. BROWN

DocuSigned by: George C. Brown 4/7/2015
F12601E0DBE8434 DATE

SIG. INVENTORY NO. 05-1029T2

27-MAR-2015 10:40
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