PROJECT REFERENCE NO.	SHEET NO.
W-5601GG	Sig. 1.2

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 - 4) EMERGENCY VEHICLE
   EVB Clear = 15
   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
   Phase 4 MIN FDW = 5
   Phase 6 MIN FDW = 5
   Phase 8 MIN FDW = 5

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

OVERLAP GREEN FLASH PROGRAMMING DETAIL (SIGNAL HEAD 21)

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

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

MIN WALK DURING PREEMPTION

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

OVERLAP [1] PROGRAMMING DETAIL

Program overlaps as follows:
Main Menu - 4) OVERLAP

OVERLAP [1]:
LOADSWITCH = 9 NOTE: FOR SIGNAL HEAD 21
VEH SET 1 = 2
YELLOW CLEARANCE = 3.8
RED CLEARANCE = 1.3

END OF OVERLAP PROGRAMMING

ADVANCE WALK PROGRAMMING

Program Leading PED Interval as follows:
1. Main Menu - 1) PHASE - 1) PHASE FUNCTIONS PAGE ONE
   ADVANCE WALK = 2
2. Main Menu - 1) PHASE - 5) PEDESTRIAN TIMING
   WALK Phase 2 = 7
   ADV/DELAY WALK Phase 2 = 5

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

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
PED CALLS 2,4,6,8

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: 05-1005
DESIGNED: August 2016
SEALED: 10-24-16
REVISED: N/A

Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 1327 (N. Gregson Street)
at
US 70 Bus. WB (W. Morgan Street)

Division 5 Durham County Durham

PLAN DATE: October 2016 REVIEWED BY:
PREPARED BY: James Peterson REVIEWED BY:

REVISIONS	INIT.	DATE

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

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036880 ENGINEER KEITH M. MINS

DocuSigned by: Keith M. Mins 10/27/2016
CF8D7BEBCD34A8... DATE

SIG. INVENTORY NO. 05-1005

23-OCT-2016 09:45
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