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 = 3.3
   RED CLEARANCE = 2.6

PRESS '+'

OVERLAP [3]:
   LOADSWITCH = 11 NOTE: FOR SIGNAL HEAD 21
   VEH SET 1 = 2.6
  YELLOW CLEARANCE = 3.8
   RED CLEARANCE = 2.6

PRESS '+'

OVERLAP [4]:
   LOADSWITCH = 12 NOTE: FOR SIGNAL HEAD 41
   VEH SET 1 = 4.8
  YELLOW CLEARANCE = 3.3
   RED CLEARANCE = 2.6

END OF OVERLAP PROGRAMMING

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

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

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.

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.

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 = 8
PHASE 6 MIN FDW = 6
PHASE 8 MIN FDW = 8

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

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

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 1 during Startup. Phase 1 used only during Preempt.
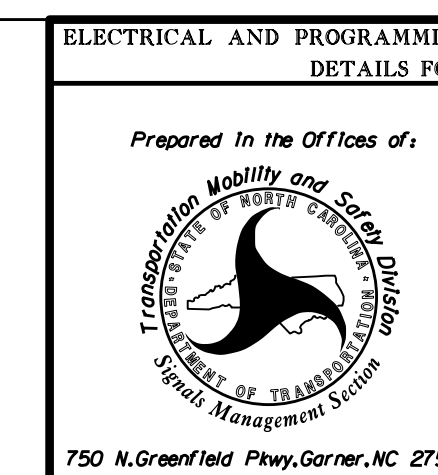Main Menu – 9) UTILITIES – 1) STARTUP
VEHICLE CALLS 2,4,6,8

Electrical Detail - Sheet 2 of 2

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-0228
DESIGNED: September 2014
SEALED: 04/02/2015
REVISED: N/A

ELECTRICAL AND PROGRAMMING DETAILS FOR:
Prepared in the Offices of:
Transportation Mobility and Safety Division
DEPARTMENT OF TRANSPORTATION
Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

NC 55 (North Alston Avenue)
at
Taylor Street

Division 5	Durham County	Durham
PLAN DATE: November 2014	REVIEWED BY:	T. Joyce
PREPARED BY: C. Strickland	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
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PROFESSIONAL
SEAL
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ENGINEER
GEORGE C. BROWN

DocuSigned by:
George C. Brown 4/2/2015
F1260IEDD0EB434
DATE

SIG. INVENTORY NO. 05-0228