

FYA PPLT PROGRAMMING

1. Program Flashing Yellow Arrow phases as follows:
Main Menu - 1) PHASE - 2) PHASE FUNCTIONS PAGE TWO
PPLT FYA = PHASE 1,3,5,7
2. Assign output pin for Flashing Yellow Arrow as follows:
Main Menu - 6) OUTPUTS - F) FYA PPLT
Phase 1 = 99
Phase 3 = 96
Phase 5 = 90
Phase 7 = 87
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
Phase 3 RED = 94, Phase 3 YELLOW = 95
Phase 5 RED = 88, Phase 5 YELLOW = 89
Phase 7 RED = 85, Phase 7 YELLOW = 86

PEDESTRIAN LOADSWITCH ASSIGNMENTS

Program the pedestrian loadswitch output assignments as follows:
Main Menu - 6) OUTPUTS - 7) PEDS
PED 2P = 2
PED 4P = 4
PED 6P = 6
PED 8P = 8

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.

EMERGENCY VEHICLE PREEMPTION PROGRAMMING

1. Program EVB preempt as follows:
Main Menu - 2) PREEMPT - 4) EMERGENCY VEHICLE
EVB Clear = 7
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 = 14
PHASE 4 MIN FDW = 8
PHASE 6 MIN FDW = 16
PHASE 8 MIN FDW = 11

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

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

SPECIAL NOTES EV PREEMPT PROGRAMMING


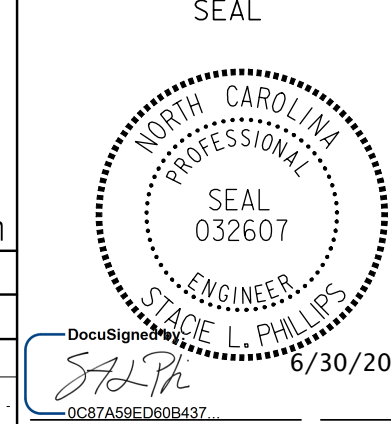
Setting 'FYA DURING PREEMPT' to 'Y' eliminates yellow trap when transitioning to preempt from adjacent through phase.
Main Menu - 9) UTILITIES - 9) MISC
FYA DURING PREEMPT (Y/N) = Y

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1673
DESIGNED: MAY 2016
SEALED: 06/30/2016
REVISED: N/A

NC Dept of Transportation
Division of Highways
Sealing Date: 6/30/2016
180646062744404
ITS & Signals Unit

Signal Upgrade Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 <p>PLANS PREPARED IN THE OFFICE OF: Kimley»Horn NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601 (919) 677-2000</p>	ELECTRICAL AND PROGRAMMING DETAILS FOR: SR 2220 (Old Chapel Hill Road) at SR 1110 (Farrington Road/ SW Durham Drive) Division 5 Durham County Durham		 <p>SEAL 032607 SL PHILLIPS ENGINEER STATE OF NORTH CAROLINA 6/30/2016</p>
	PLAN DATE: MAY 2016 PREPARED BY: SP PENNINGTON RMA PROJ. NO:	REVIEWED BY: SL PHILLIPS DATE: 6/30/2016 SIGNATURE:	

6/29/2016 4:15:20 PM susan.pennington ***:timley-horn.com:SE-RAL-Roadway#01103290 - EB-4707 Part: BNF:lanefraffic:Signal:es4 - Signal:Des:gnw05-1673_2016a2.dgn