

OUTPUT REMAPPING ASSIGNMENT PROGRAMMING DETAIL TO ASSIGN LOADSWITCH AUX S3 TO OVERLAP 'E' (FOR SIGNAL HEAD 63) (program controller as shown below)

FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '1' (OUTPUT ASSIGNMENTS). WITH CURSOR IN "OUTPUT ASSIGNMENT#" POSITION, ENTER "45"

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:91 NOT ENABLED OUTPUT ASSIGNMENT #.....45 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED.....Y VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH..... RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

OVERLAP "E" RED

THE OUTPUT IS SET AS NOT ENABLED BY DEFAULT. THIS "Y" WILL REMAIN UNTIL THE OUTPUT IS CHANGED.

ENTER A "Y" FOR VEHICLE OVERLAP.

PAGE:1 C1 PIN:91 NOT ENABLED SELECT VEHICLE OVERLAP (A=1,P=16)...5 SELECT COLOR(0=RED,1=YEL,2=GRN)...0

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP' THE SCREEN SHOWN ABOVE WILL APPEAR. ENTER DATA AS SHOWN. PRESS THE 'ENT' AFTER AFTER INPUTING DATA, THEN 'ESC'.

PAGE:1 C1 PIN:91 VEHICLE OVERLAP OUTPUT ASSIGNMENT #.....45 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED..... VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH..... RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

PRESS '*' KEY FOR OUTPUT 46

PAGE:1 C1 PIN:93 NOT ENABLED OUTPUT ASSIGNMENT #.....46 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED.....Y VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH..... RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

OVERLAP "E" GREEN

THE OUTPUT IS SET AS NOT ENABLED BY DEFAULT. THIS "Y" WILL REMAIN UNTIL THE OUTPUT IS CHANGED.

ENTER A "Y" FOR VEHICLE OVERLAP.

PAGE:1 C1 PIN:93 NOT ENABLED SELECT VEHICLE OVERLAP (A=1,P=16)...5 SELECT COLOR(0=RED,1=YEL,2=GRN)...2

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP' THE SCREEN SHOWN ABOVE WILL APPEAR. ENTER DATA AS SHOWN. PRESS THE 'ENT' AFTER AFTER INPUTING DATA, THEN 'ESC'.

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:93 VEHICLE OVERLAP OUTPUT ASSIGNMENT #.....46 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED..... VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH..... RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

PRESS '*' KEY FOR OUTPUT 54

PAGE:1 C1 PIN:101 CONTROLLER FLASH OUTPUT ASSIGNMENT #.....54 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED..... VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH.....Y RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

OVERLAP "E" YELLOW

ENTER A "Y" FOR VEHICLE OVERLAP.

PAGE:1 C1 PIN:101 CONTROLLER FLASH SELECT VEHICLE OVERLAP (A=1,P=16)...5 SELECT COLOR(0=RED,1=YEL,2=GRN)...1

WHEN A 'Y' IS ENTERED FOR 'VEHICLE OVERLAP' THE SCREEN SHOWN ABOVE WILL APPEAR. ENTER DATA AS SHOWN. PRESS THE 'ENT' AFTER AFTER INPUTING DATA, THEN 'ESC'.

DISPLAY WILL NOW SHOW THE SPECIFIED OUTPUT ASSIGNED AS 'VEHICLE OVERLAP' AS SHOWN BELOW.

PAGE:1 C1 PIN:101 VEHICLE OVERLAP OUTPUT ASSIGNMENT #.....54 FREQUENCY (0=DEFAULT) (0-25.5 HZ)...0.0 DUTY CYCLE (0=DEFAULT) (0 - 100%)...0 MODE (0=SOLID,1=FLASH)...0.0 SELECT ASSIGNMENT: NOT ENABLED..... VEHICLE PHASE..... PEDESTRIAN PHASE..... VEHICLE OVERLAP.....Y PEDESTRIAN OVERLAP..... WATCHDOG..... DETECTOR RESET..... ADVANCE BEACON..... OUT OF PHASE FLASHER..... CONTROLLER FLASH..... RUN FREE..... RESERVED..... PREEMPT..... SOFT PREEMPT..... ANY PREEMPT..... COORDINATION PLAN..... OFFSET..... PHASE CHECK..... PHASE ON..... PHASE NEXT.....

THE OUTPUT IS SET AS CONTROLLER FLASH BY DEFAULT. THIS "Y" WILL REMAIN UNTIL THE OUTPUT IS CHANGED.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0840 DESIGNED: May 2022 SEALED: 5/17/2024 REVISED:

Signal Upgrade - Final Design Electrical Detail - Sheet 6 of 6

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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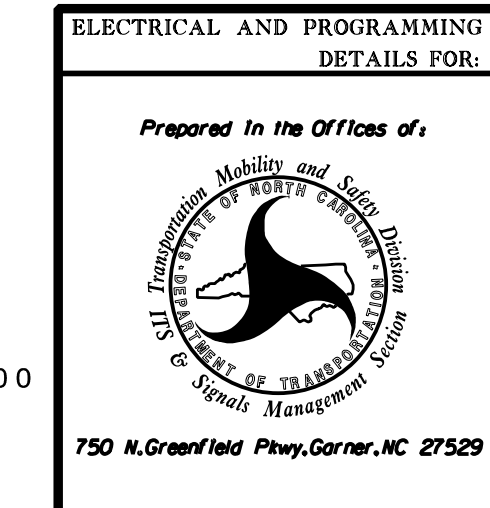


Table with project details: SR 2048 (Gordon Rd) at SR 2117 (Harris Rd), Division 3 New Hanover County Wilmington. Includes dates for plan (August 2023) and preparation (E.E. Tiller), and reviewers (N.K. Vlanich, N.R. Simmons).

Professional Engineer Seal for Natasha R. Simmons, License No. 031464, dated 5/17/2024.