

MAXTIME OVERLAP PROGRAMMING DETAIL FOR DEFAULT PHASING

Front Panel Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Table with 7 columns: Overlap, 1, 2, 3, 4, 5, 6. Rows include Type, Included Phases, Modifier Phases, Modifier Overlaps, Trail Green, Trail Yellow, Trail Red.

MAXTIME ALTERNATE PHASING PATTERN PROGRAMMING DETAIL

Front Panel Main Menu >Controller >Coordination >Patterns

Web Interface Home >Controller >Coordination >Patterns

Pattern Parameters table with columns: Pattern, Veh Det Plan, Overlap Plan. Row 1: \*, 2, 2.

\* The Pattern number(s) are to be determined by the Division and/or City Traffic Engineer.

MAXTIME STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

Front Panel Main Menu>Controller>Unit

Web Interface Home>Controller>Unit

Start Up Parameters Startup Clearance Hold 6

Unit Flash Parameters All Red Flash Exit Time 6

MAXTIME DETECTOR PROGRAMMING DETAIL FOR ALTERNATE PHASING LOOPS 1A & 5A

Front Panel Main Menu >Controller >Detector >Veh Det Plans

Web Interface Home >Controller >Detector Configuration >Vehicle Detectors

In the table view of web interface right click on "Detector" in the top left corner of the table. Copy the entire contents of Detector Plan 1. Paste Detector Plan 1 into Detector Plan 2. Modify Detector Plan 2 as shown below and save changes.

Plan 2 table for 1A: Detector, Call Phase, Delay. Rows: 1, 1, 0.0; 29, 0, 3.0.

Plan 2 table for 5A: Detector, Call Phase, Delay. Rows: 15, 5, 0.0; 31, 0, 3.0.

MAXTIME ALTERNATE PHASING ACTIVATION DETAIL

To run alternate phasing, select a Pattern that is programmed to run Overlap Plan 2 and Detector Plan 2. A Pattern can be selected through the scheduler or manually by changing the Operational Mode.

Table with columns: PHASING, OVERLAP PLAN, VEH DET PLAN. Rows: ACTIVE PLAN REQUIRED TO RUN DEFAULT PHASING, ACTIVE PLAN REQUIRED TO RUN ALTERNATE PHASING.

ALTERNATE PHASING CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN OVERLAP 2 AND VEHICLE DETECTOR PLAN 2 ACTIVATE TO CALL THE "ALTERNATE PHASING":

OVERLAP PLAN 2: Modifies overlap included phases for heads 11 and 51 to run protected turns only.

VEH DET PLAN 2: Disables phase 6 call on loop 1A and reduces delay time for phase 1 call on loop 1A to 0 seconds.

Disables phase 2 call on loop 5A and reduces delay time for phase 5 call on loop 5A to 0 seconds.

MAXTIME OVERLAP PROGRAMMING DETAIL FOR ALTERNATE PHASING

Front Panel Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface Home >Controller >Overlap Configuration >Overlaps

In the table view of the web interface, right click on "Overlap" in the top left corner of the table. Copy the entire contents of Overlap Plan 1. Paste Overlap Plan 1 into Overlap Plan 2. Modify Overlap Plan 2 as shown below and save changes.

Overlap Plan 2

Table with 7 columns: Overlap, 1, 2, 3, 4, 5, 6. Rows include Type, Included Phases, Modifier Phases, Modifier Overlaps, Trail Green, Trail Yellow, Trail Red.

NOTICE INCLUDED PHASES

OUTPUT CHANNEL CONFIGURATION

Front Panel Main Menu >Controller >More>Channels>Channels Config

Web Interface Home >Controller >Advanced IO>Channels>Channels Configuration

Channel Configuration

Table with 7 columns: Channel, Control Type, Control Source, Flash Yellow, Flash Red, Flash Alt, MMU Channel. Rows 1-18.

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

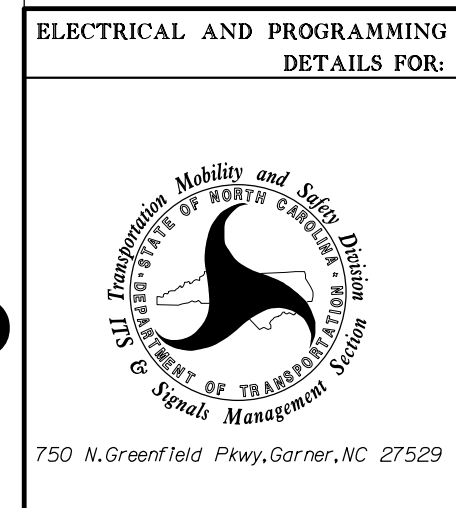
- 1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0923 DESIGNED: Apr 2025 SEALED: 4/24/2025 REVISED: N/A

Electrical Detail Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NC 43 at Savoy Drive/Shadow Brook Lane Division 2 Craven County New Bern PLAN DATE: April 2025 REVIEWED BY: BN Groome PREPARED BY: DS Griffith DRMP PROJ. NO.: 17359 (040)

Seal of the Professional Engineer, Brittany N Groome, License No. 052936, dated 4/24/2025.