

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

| Overlap | 1 | 3 | 4 | 7 |
|-------------------|-----------------|-----------------|-----------------|--------|
| Type | FYA 4 - Section | FYA 4 - Section | FYA 4 - Section | Normal |
| Included Phases | 2 | 6 | 2 | 4 |
| Modifier Phases | 1 | 5 | - | - |
| Modifier Overlaps | - | - | 7 | - |
| Trail Green | 0 | 0 | 0 | 0 |
| Trail Yellow | 0.0 | 0.0 | 0.0 | 0.0 |
| Trail Red | 0.0 | 0.0 | 0.0 | 0.0 |

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

| Overlap | 1 | 3 | 4 | 7 |
|-------------------|-----------------|-----------------|-----------------|--------|
| Type | FYA 4 - Section | FYA 4 - Section | FYA 4 - Section | Normal |
| Included Phases | - | - | 2 | 4 |
| Modifier Phases | 1 | 5 | - | - |
| Modifier Overlaps | - | - | 7 | - |
| Trail Green | 0 | 0 | 0 | 0 |
| Trail Yellow | 0.0 | 0.0 | 0.0 | 0.0 |
| Trail Red | 0.0 | 0.0 | 0.0 | 0.0 |

← NOTICE INCLUDED PHASE

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

| Detector | Call Phase | Delay |
|----------|------------|-------|
| 1 | 1 | 3.0 |
| 29 | 0 | 3.0 |

1A

| Detector | Call Phase | Delay |
|----------|------------|-------|
| 15 | 5 | 3.0 |
| 31 | 0 | 3.0 |

5A

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.

| PHASING | OVERLAP PLAN | VEH DET PLAN |
|--|--------------|--------------|
| ACTIVE PLAN REQUIRED TO <u>RUN DEFAULT PHASING</u> | 1 | 1 |
| ACTIVE PLAN REQUIRED TO <u>RUN ALTERNATE PHASING</u> | 2 | 2 |

ALTERNATE PHASING CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN OVERLAP PLAN 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 3.0 seconds.

Disables phase 2 call on loop 5A and reduces delay time for phase 5 call on loop 5A to 3.0 seconds.

MAXTIME ALTERNATE PHASING PATTERN PROGRAMMING DETAIL

Front Panel
Main Menu > Controller > Coordination > Patterns

Web Interface
Home > Controller > Coordination > Patterns

Pattern Parameters

| Pattern | Veh Det Plan | Overlap Plan |
|---------|--------------|--------------|
| * | 2 | 2 |

* The Pattern number(s) are to be determined by the Division Traffic Engineer.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0589
DESIGNED: August 2023
SEALED: 9/7/2023
REVISED: N/A

Electrical Detail - Final Design - Sheet 2 of 3

Prepared in the Office of:



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ELECTRICAL AND PROGRAMMING DETAILS FOR:



NC 66 (Old Hollow Road)
at
SR 2004 (Main Street) /
Centre Stage Shopping Center
Division 9 Forsyth County Walkertown

PLAN DATE: August 2023 REVIEWED BY: E. Sirgany

PREPARED BY: J. Smith REVIEWED BY:

| REVISIONS | INIT. | DATE |
|-----------|-------|------|
| | | |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
EDWARD W. SIRGANY
PROFESSIONAL ENGINEER
SEAL 018174
DATE 9/7/2023
SIG. INVENTORY NO. 09-0589