## 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 | 2 |
|---|---|---|
| Type | FYA 4 - Section | Normal |
| Included Phases | 2 | 1,8 |
| Modifier Phases | 1 | - |
| Modifier Overlaps | - | - |
| Trail Green | 0 | 0 |
| Trail Yellow | 0.0 | 0.0 |
| Trail Red | 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

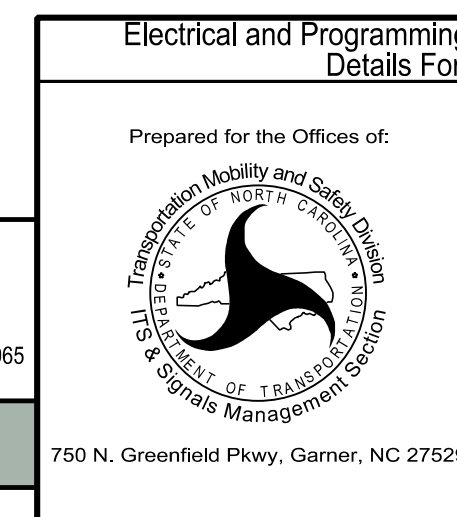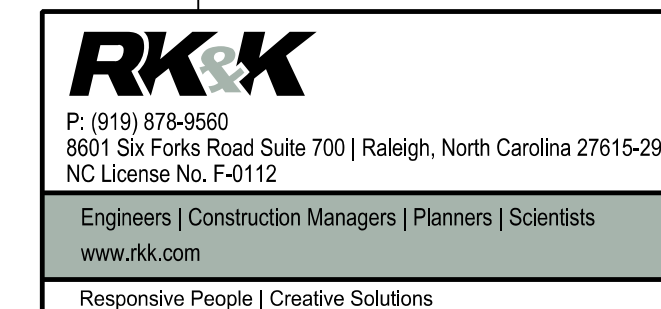| Overlap | 1 | 2 |
|---|---|---|
| Type | FYA 4 - Section | Normal |
| Included Phases | - | 1,8 | ← NOTICE INCLUDED PHASE |
| Modifier Phases | 1 | - |
| Modifier Overlaps | - | - |
| Trail Green | 0 | 0 |
| Trail Yellow | 0.0 | 0.0 |
| Trail Red | 0.0 | 0.0 |

## 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.

## MAXTIME DETECTOR PROGRAMMING DETAIL
## FOR ALTERNATE PHASING LOOP 1A

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 | 0 |
| 29 | 0 | 3 |

(1A)

## 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 RUN DEFAULT PHASING | 1 | 1 |
| ACTIVE PLAN REQUIRED TO RUN ALTERNATE PHASING | 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 head 11 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.

## 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 and/or City Traffic Engineer.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0511
DESIGNED: February 2024
SEALED: February 12, 2024
REVISED:

Signal Upgrade - Final Design - Electrical Detail- Sheet 2 of 2

Electrical and Programming Details For:

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

**US 158 (Reidsville Rd.)**
**at**
**NC 74 Westbound Ramps**

| Division 9 | Forsyth County | Winston-Salem |
|---|---|---|
| PLAN DATE: February 2024 | REVIEWED BY: | DT Sears |
| PREPARED BY: WP Erickson-Jones | REVIEWED BY: | |

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
056142
ENGINEER
PORTER JONES

DocuSigned by:
Porter Jones
2/12/2024
DATE

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

SIG. INVENTORY NO. 09-0511