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	3	4	5	7
Туре	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	Normal
Included Phases	2	2	2	7
Modifier Phases	4	7	ė.	4
Modifier Overlaps	7	4	4	4
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	3	4	5	7	
Туре	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	Normal	
Included Phases	<u>-</u>	-	2	7	NOTICE
Modifier Phases	<u> </u>	7	<u>-</u>	<u>-</u>	INCLUDED PHASE
Modifier Overlaps	7	-	-	<u>-</u>	
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 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.

OUTPUT CHANNEL CONFIGURATION

Front Panel

Main Menu >Controller >More>Channels>Channels Config

Web Interface

Home >Controller >Advanced IO>Channels>Channels Configuration

Channel Configuration

NOTICE OVERLAP 7 ASSIGNED TO

CHANNEL 5

Channe	el Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel	
1	Phase Vehicle	1	·	Χ	X	1	
2	Phase Vehicle	2	Х	·		2	
3	Phase Vehicle	3		Х	Χ	3	
4	Phase Vehicle	4		Х	Χ	4	
5	Overlap	7	Х		·	5	NOTICE CHANNEL 5
6	Phase Vehicle	6	Х		Χ	6	YELLOW FLASH
7	Phase Vehicle	7	Х			7	NOTICE CHANNEL 7
8	Phase Vehicle	8		Χ	Х	8	YELLOW FLASH
9	Overlap	1	Х		Х	9	
10	Overlap	2		Х	Х	10	
11	Overlap	3	Х		Х	11	
12	Overlap	4	Х		Х	12	NOTICE CHANNEL 12
13	Phase Ped	2				13	YELLOW FLASH
14	Phase Ped	4				14	
15	Phase Ped	6	·			15	
16	Phase Ped	8				16	
17	Overlap	5	Х			17	NOTICE CHANNEL 17
18	Overlap	6		Х		18	YELLOW FLASH

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 heads 71 and 72 to run protected turns only.

VEH DET PLAN 2: Reduces delay time for phase 7

call on loop 7A to 0 seconds.

MAXTIME DETECTOR PROGRAMMING DETAIL FOR ALTERNATE PHASING LOOP 7A

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 21 7

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: 09-1100 DESIGNED: February 2024 SEALED: February 12, 2024 **REVISED:**

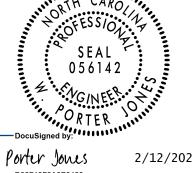
Signal Upgrade - Final Design - Electrical Detail - Sheet 2 of 2

Electrical and Programming Details For:

US 158 EB (Reidsville Rd.) SR 2014 (Vance Rd.)

Walkertown PLAN DATE: February 2024 REVIEWED BY: DT Sears

PREPARED BY: WP Erickson-Jones REVIEWED BY: REVISIONS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Sig. 39.2

SIG. INVENTORY NO. 09-1100

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