PROJECT REFERENCE NO.	SHEET NO.
P-5707	SIG.10.3

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING FREE RUN – PROGRAM CHANGES (SHOWN BELOW) IN A TIME BASED PATTERN. SCHEDULE A DAY PLAN THAT INCLUDES THE PATTERN PROGRAMMED TO SELECT OVERLAP PLAN 2 AND VEHICLE DETECTOR PLAN 2.

TO RUN ALT. PHASING DURING COORDINATION – SELECT THE TIME BASED PATTERN THAT IS PROGRAMMED TO SELECT OVERLAP PLAN 2 AND VEHICLE DETECTOR PLAN 2.

PHASING	OVERLAP PLAN	VEH DET PLAN
ACTIONS REQUIRED TO RUN DEFAULT PHASING	1	1
ACTIONS 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 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 3 seconds.

MAXTIME ALTERNATE PHASING PATTERN PROGRAMMING DETAILS

Front Panel
Main Menu >Controller >Coordination>Patterns

Web Interface
Home >Controller >Coordination>Patterns

Change the Vehicle Detector Plan and Overlap Plan field to [2].

Pattern Number	Veh Det Plan	Overlap Plan	Description
*	2	2	Alt Phasing Operation

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

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-2125
DESIGNED: March 2025
SEALED: March 10, 2025
REVISED: N/A

SIGNAL UPGRADE - ELECTRICAL DETAIL - SHEET 3 OF 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1,Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112
Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Responsive People | Creative Solutions

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared For:
NCDOT Transportation Mobility and Safety Division
Traffic Engineering Branch
Traffic Signal Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 1A (S. MAIN ST)
AT
SR 2052 (ROGERS RD)/WAKE FOREST MIDDLE SCHOOL

DIVISION 5 | WAKE COUNTY | WAKE FOREST

PLAN DATE:	MARCH 2025	REVIEWED BY:	DTSEARS
PREPARED BY:	WPJONES	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 044558 ENGINEER DAVID T. SEARS

DocuSigned by:
David T Sears
069183F28E5741E...
3/10/2025
SIGNATURE DATE

SIG. INVENTORY NO. 05-2125

3/10/2025
R:\Active\Signals\Electrical Details\052125e-00-220.dgn
wpjones