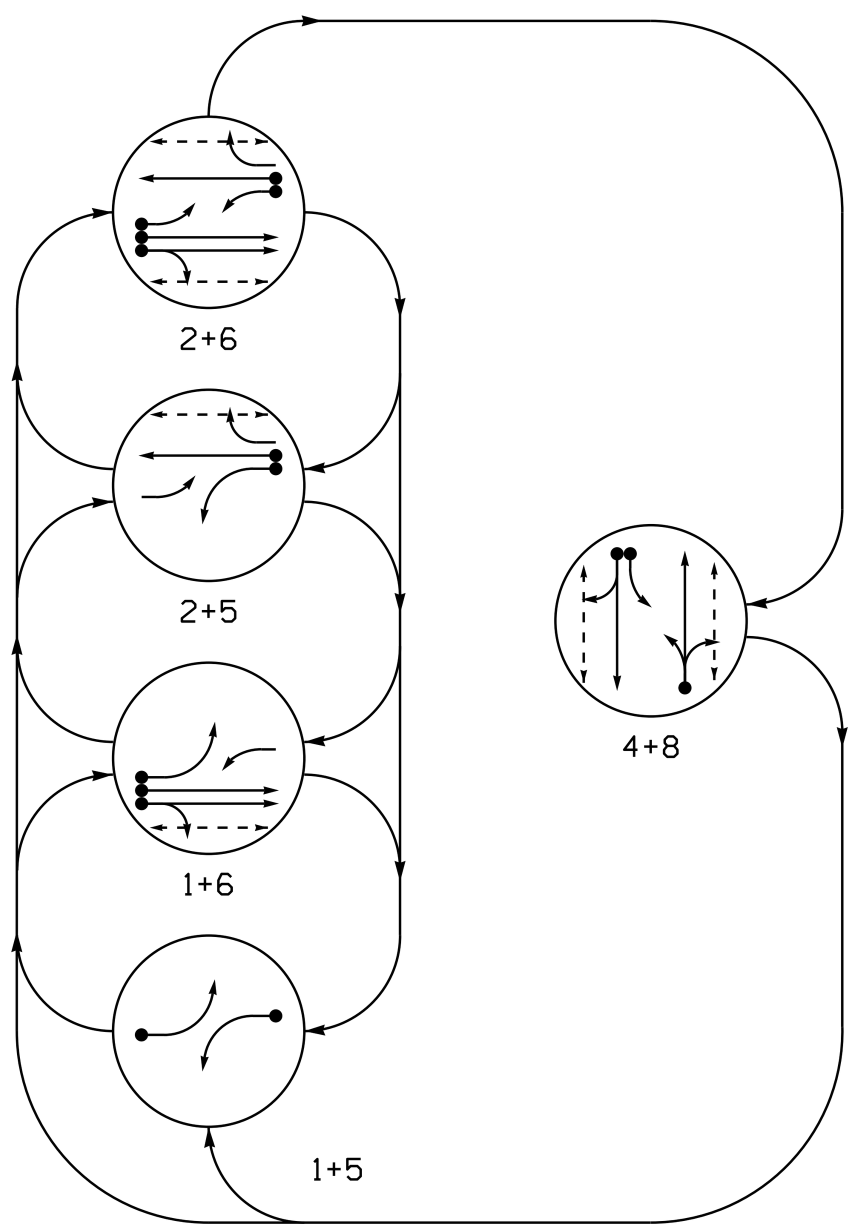
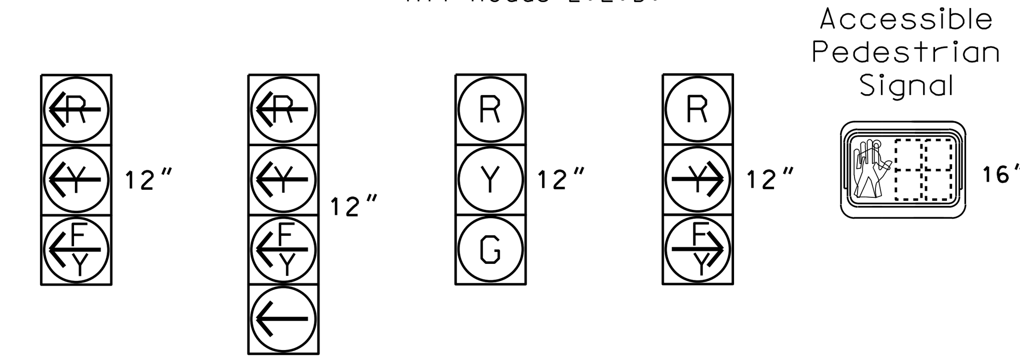
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION						
SIGNAL FACE	PHASE					
	1+5	1+6	2+5	2+6	4+8	FLASH
11	←	←	←FY	←FY	←R	←R
21, 22	R	R	G	G	R	R
23	R	R	FY→	FY→	R	R
41, 42	R	R	R	R	G	R
51	←	←FY	←	←FY	←R	←R
61, 62	R	G	R	G	R	R
81	←R	←R	←R	←R	←FY	←R
82, 83	R	R	R	R	G	R
P21, P22	DW	DW	W	W	DW	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK
P81, P82	DW	DW	DW	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



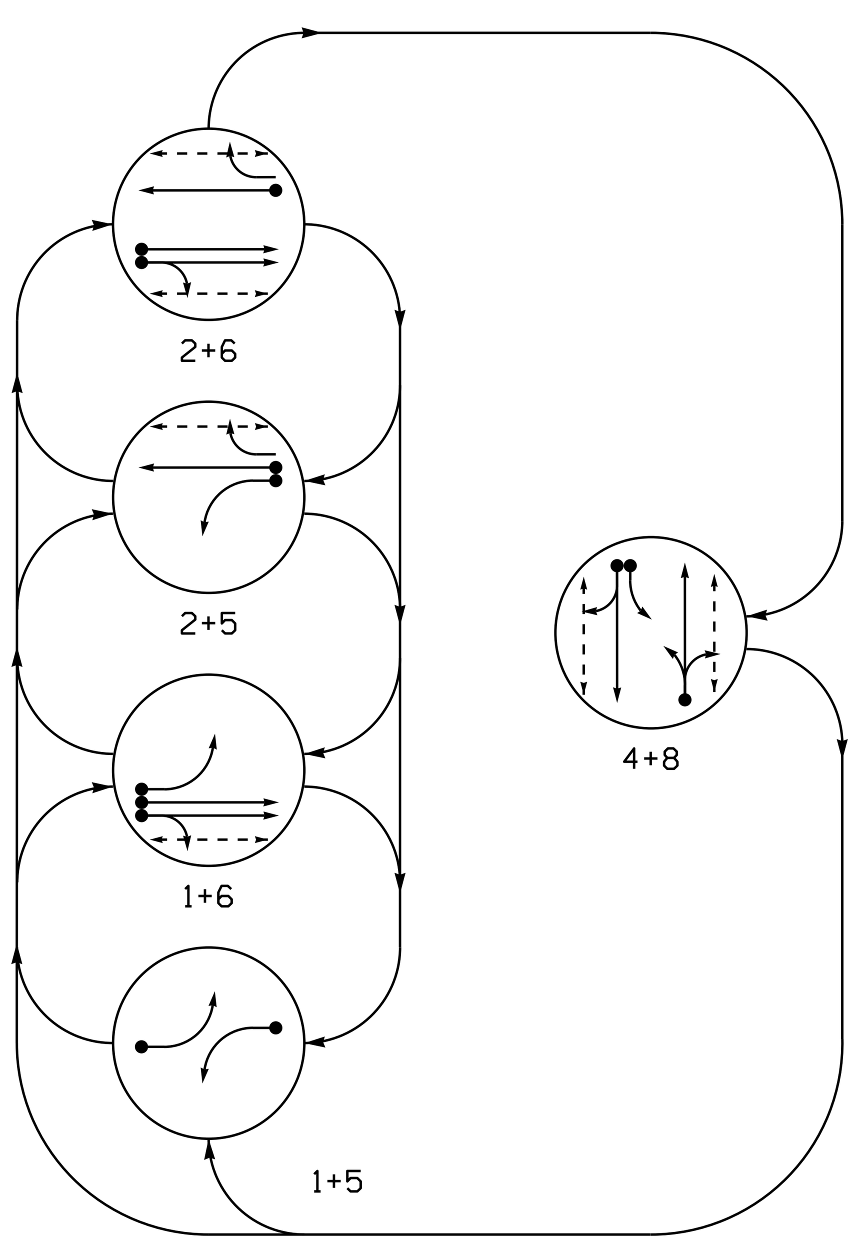
81	11	21, 22	23	P21, P22
	51	41, 42		P41, P42
		61, 62		P61, P62
		82, 83		P81, P82

5 Phase
Fully Actuated
w/ Alternate Phasing Operation
D10-05_Matthews

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. See pavement markings plan for stop bar and crosswalk locations.
9. The Division Traffic Engineer will determine the hours of use for each phasing plan.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
11. Supress FYA for signal heads 11 and 23 for the first 7 seconds of phase 2 ped.

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION						
SIGNAL FACE	PHASE					
	1+5	1+6	2+5	2+6	4+8	FLASH
11	←	←	←R	←R	←R	←R
21, 22	R	R	G	G	R	R
23	R	R	FY→	FY→	R	R
41, 42	R	R	R	R	G	R
51	←	←R	←	←R	←R	←R
61, 62	R	G	R	G	R	R
81	←R	←R	←R	←R	←FY	←R
82, 83	R	R	R	R	G	R
P21, P22	DW	DW	W	W	DW	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK
P81, P82	DW	DW	DW	DW	W	DRK

PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

This plan supersedes the plan signed and sealed on 2/20/23.

New Installation - Sheet 2 of 2

PROJECT REFERENCE NO.	SHEET NO.
HL-0025	Sig-1.1

Prepared For: Transportation Mobility and Safety Division, Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 20
1"=20'

SR 1009 (East John Street)
at
Greylock Ridge Road

Division 10 Mecklenburg County Matthews

PLAN DATE: February 2024 REVIEWED BY: R.N. Zinser
PREPARED BY: T.A. Kenion REVIEWED BY:

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 043914 ENGINEER RICHARD N. ZINSER

DocuSigned by: R. Nicholas Zinser 06/10/2024
DATE

SIG. INVENTORY NO. 10-2462