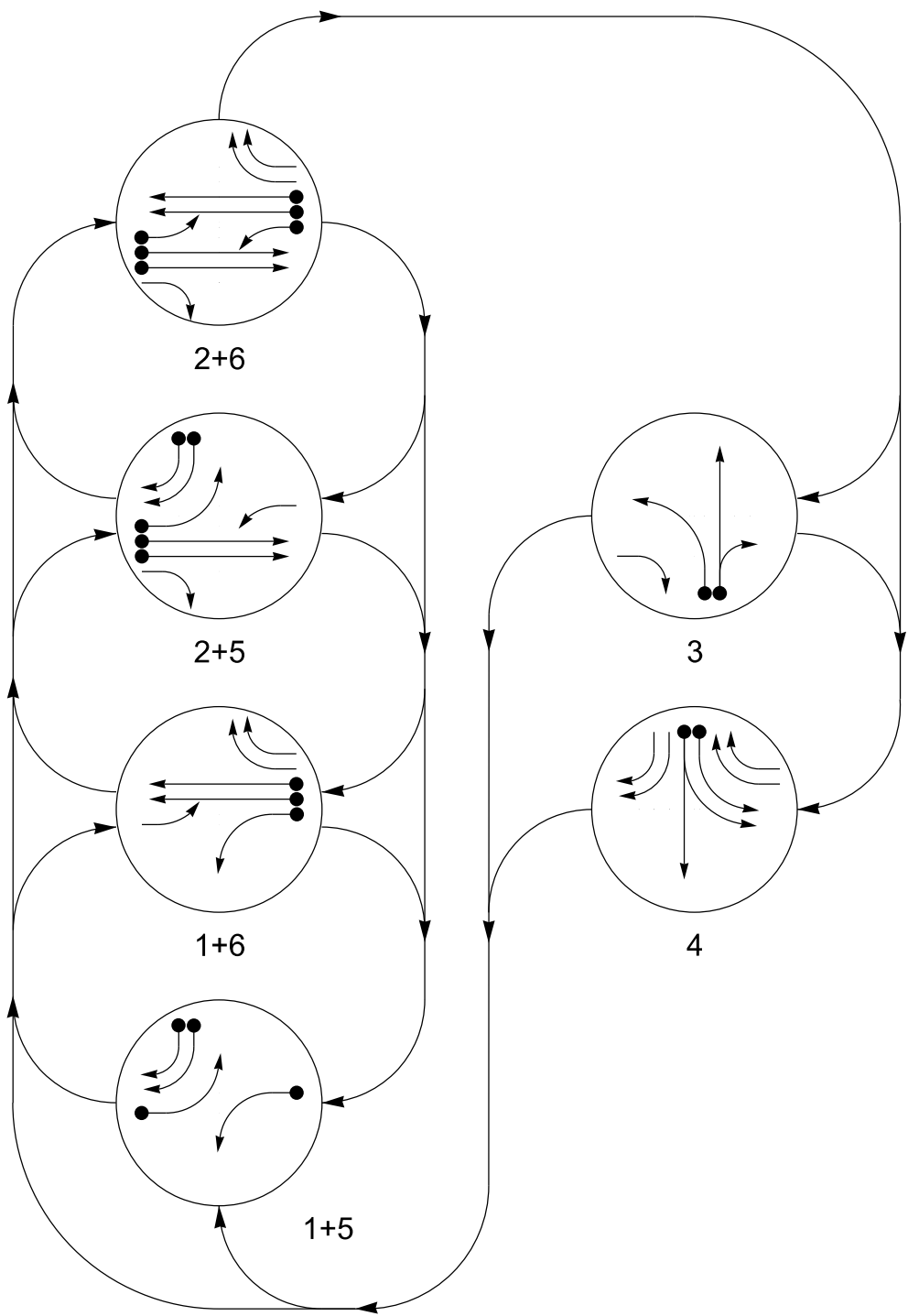


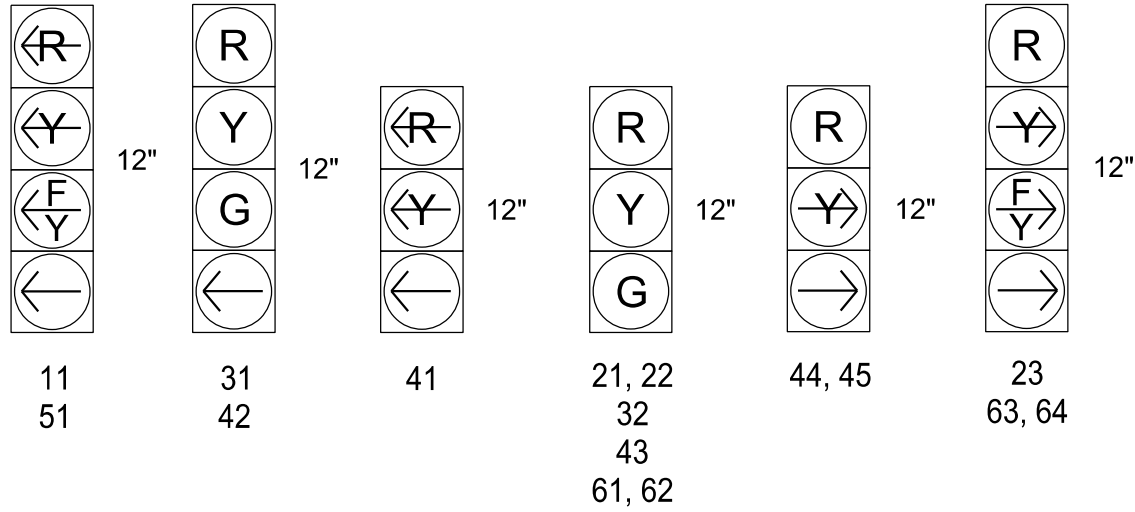
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION							
SIGNAL FACE	PHASE						FLASH
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	
11	←	←	F ↓	F ↓	←R	←R	←R
21, 22	R	R	G	G	R	R	R
23	R	R	F ↓	F ↓	→	R	R
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	←R	←R	←R	←R	←	←	←R
42	R	R	R	R	R	G	R
43	R	R	R	R	R	G	R
44, 45	→	R	→	R	→	R	R
51	←	F ↓	←	F ↓	←R	←R	←R
61, 62	R	G	R	G	R	R	R
63, 64	R	F ↓	R	F ↓	R	→	R

SIGNAL FACE I.D.

All Heads L.E.D.

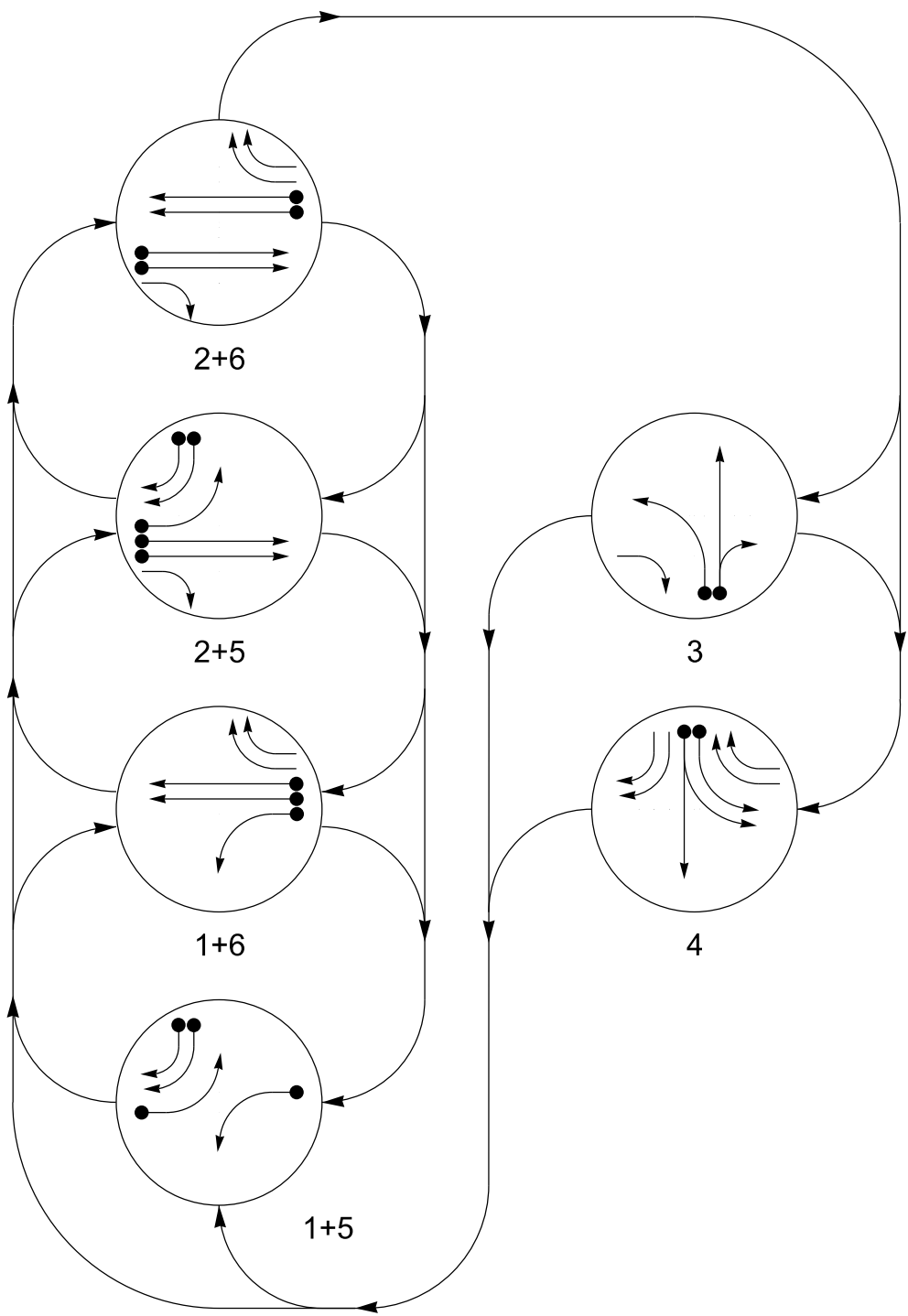


6 Phase
Fully Actuated
US 17 Bus. (MLK Blvd) CLS
D02-15_New Bern

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Activate beacons 24, 25, 26, and 27 to flash 3 seconds prior to the end of phase 2 green. These beacons shall remain flashing until the beginning of phase 2 green.
- Activate beacons 65, 66, 67, and 68 to flash 3 seconds prior to the end of phase 6 green. These beacons shall remain flashing until the beginning of phase 6 green.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multi-zone microwave detection. Monitor and maintain detectors according to the manufacturer's instructions to achieve desired detection
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION							
SIGNAL FACE	PHASE						FLASH
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	
11	←	←	←R	←R	←R	←R	←R
21, 22	R	R	G	G	R	R	R
23	R	R	F ↓	F ↓	→	R	R
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
41	←R	←R	←R	←R	←	←	←R
42	R	R	R	R	R	G	R
43	R	R	R	R	R	G	R
44, 45	→	R	→	R	→	R	R
51	←	←R	←	←R	←R	←R	←R
61, 62	R	G	R	G	R	R	R
63, 64	R	F ↓	R	F ↓	R	→	R

PHASING DIAGRAM DETECTION LEGEND

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

Signal Upgrade - Final Design
Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Plans Prepared By:

DRMP

DRMP, Inc.
6210 University Executive Park Dr, Suite 220
Charlotte, NC 28269
NC License No. F-1524 (T04) 549-4260

Prepared for:

750 N. Greenfield Pkwy, Garner, NC 27529

US 17 Business
(M. L. King, Jr. Blvd.)
at
NC 43/Ben D. Quinn Elementary
Division 2 Craven County New Bern

PLAN DATE: April 2025
REVIEWED BY: BN Groome
PREPARED BY: DS Griffith
DRMP PROJ. NO.: 17359 (040)

REVISIONS
INIT.
DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
BRITTANY N GROOME
052936

Signed by:
Brittany N Groome
4/24/2025
DATE
SIC. INVENTORY NO. 02-0629