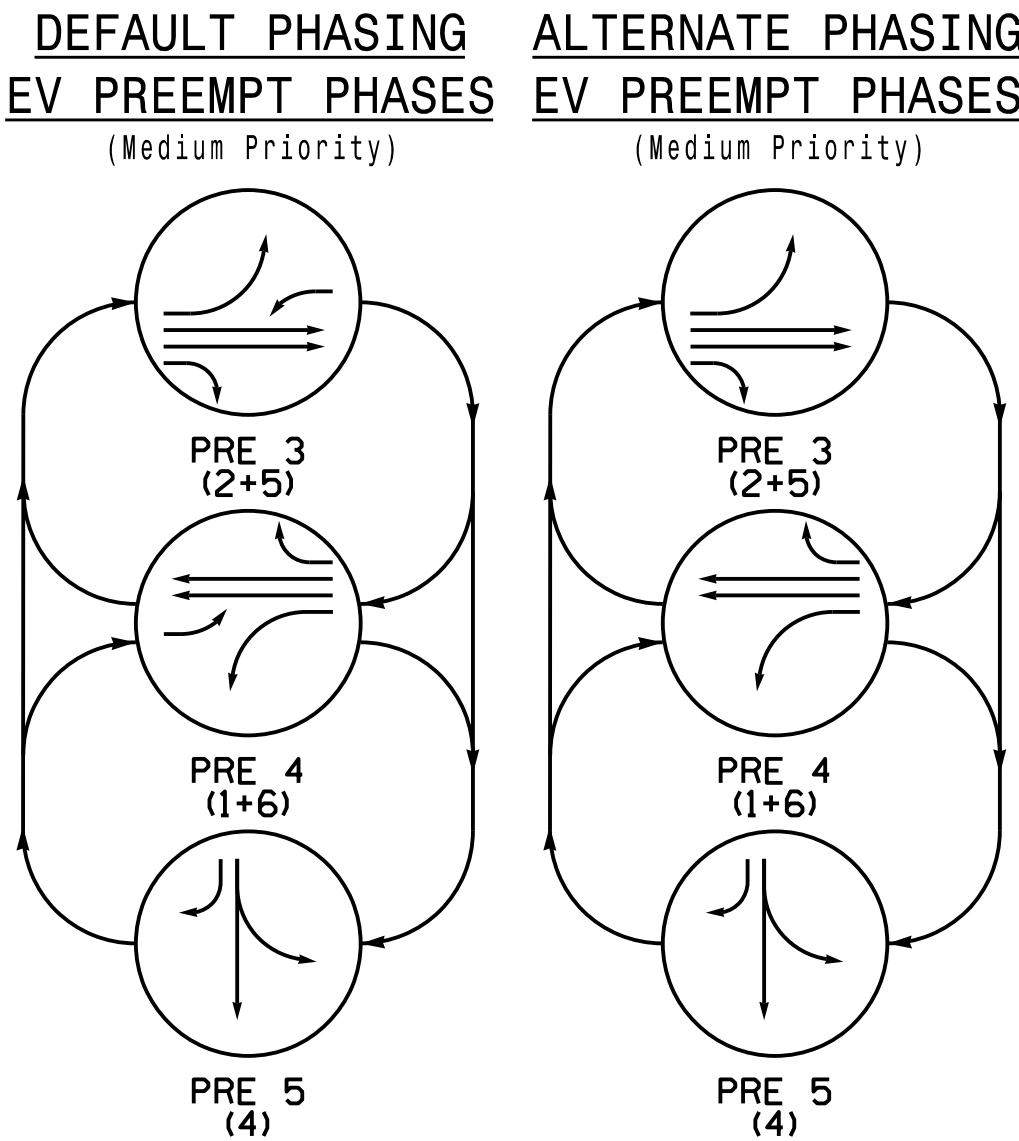
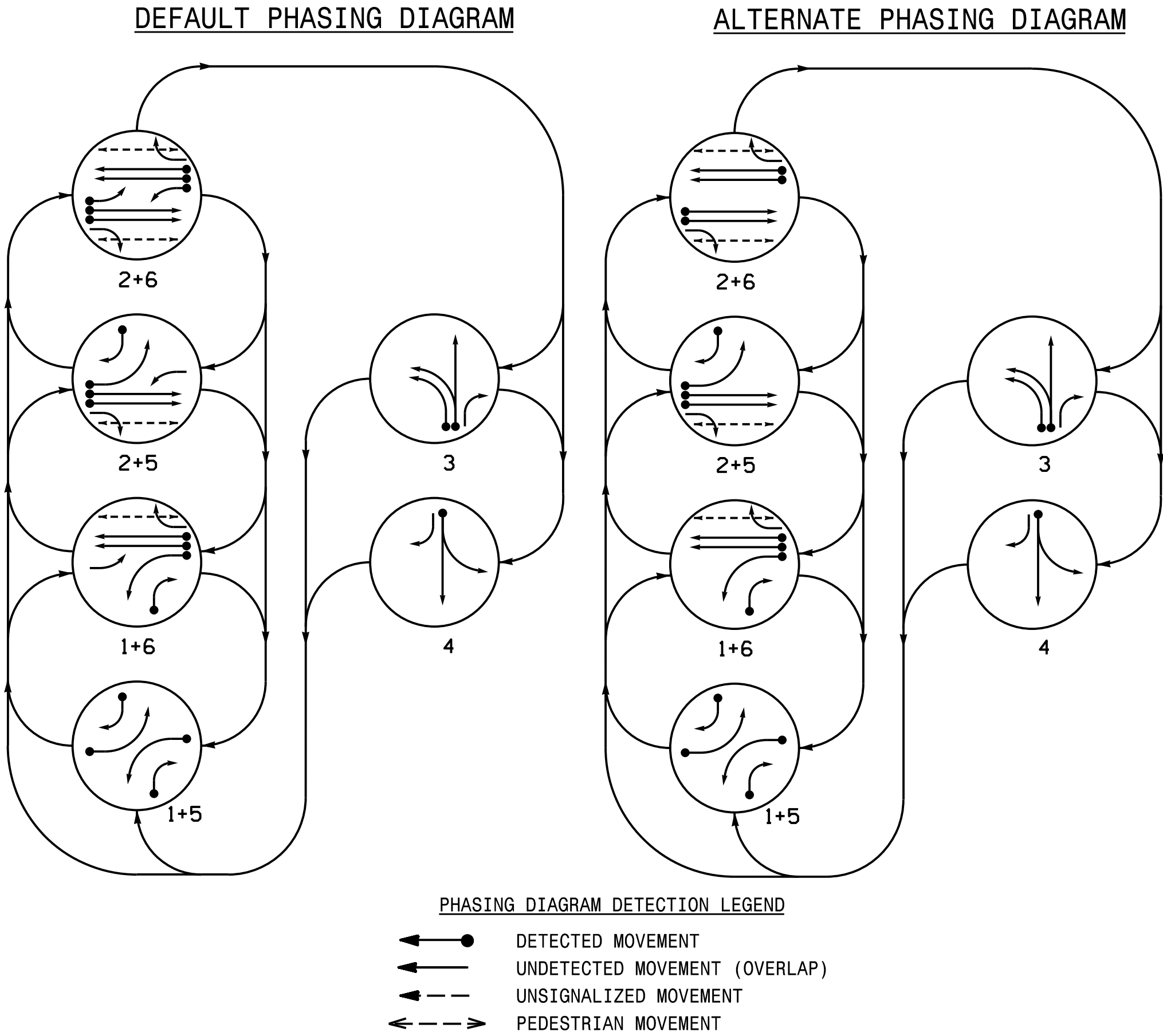
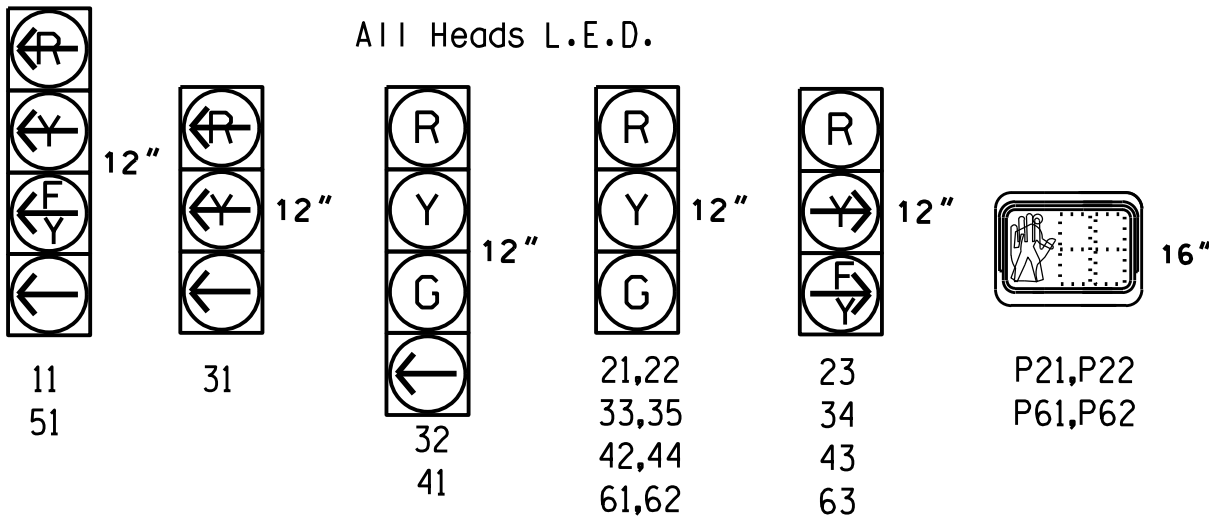




SIGNAL FACE I.D.



- 6 Phase
Fully Actuated
w/ EV Preempt
Jacksonville Signal System
- 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. The order of phase 3 and phase 4 may be reversed.

5. Set all detector units to presence mode.

6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.

8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.

9. This intersection features an optical preemption system. Shown locations of optical detectors are conceptual only.

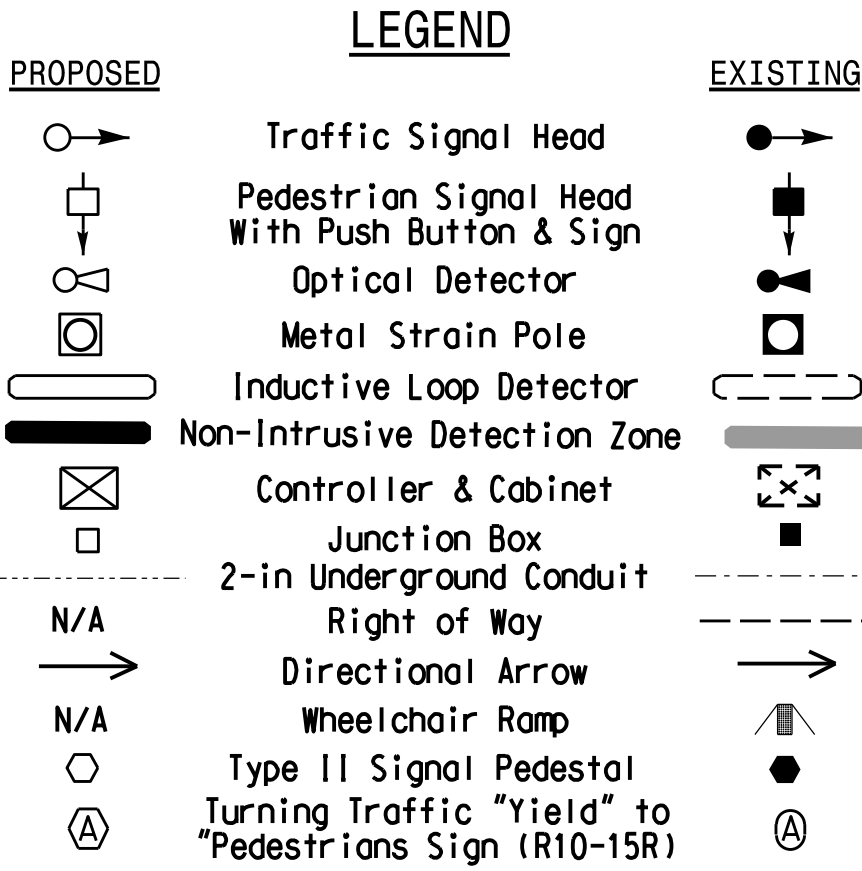
10. This intersection features a GPS preemption system.

11. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

13. Closed loop system data: Asset #0896.

DEFAULT PHASING TABLE OF OPERATION										ALTERNATE PHASING TABLE OF OPERATION											
SIGNAL FACE	PHASE									SIGNAL FACE	PHASE										
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	PRE 3	PRE 4	PRE 5		FLASH	1 + 5	1 + 6	2 + 5	2 + 6	3	4	PRE 3	PRE 4	PRE 5	FLASH
11	—	—	⚡	⚡	⚡	⚡	⚡	—	⚡	⚡	11	—	—	⚡	⚡	⚡	⚡	⚡	—	⚡	⚡
21,22	R	R	G	G	R	R	G	R	R	R	21,22	R	R	G	G	R	R	G	R	R	R
23	R	R	⚡	⚡	R	R	⚡	R	R	R	23	R	R	⚡	⚡	R	R	⚡	R	R	R
31	⚡	⚡	⚡	⚡	—	⚡	⚡	⚡	⚡	⚡	31	⚡	⚡	⚡	⚡	—	⚡	⚡	⚡	⚡	⚡
32	R	R	R	R	G	R	R	R	R	R	32	R	R	R	R	G	R	R	R	R	R
33,35	R	R	R	R	G	R	R	R	R	R	33,35	R	R	R	R	G	R	R	R	R	R
34	⚡	⚡	R	R	⚡	R	R	R	R	R	34	⚡	⚡	R	R	⚡	R	R	R	R	R
41	R	R	R	R	R	G	R	R	G	R	41	R	R	R	R	R	G	R	R	G	R
42,44	R	R	R	R	R	G	R	R	G	R	42,44	R	R	R	R	R	G	R	R	G	R
43	⚡	R	⚡	R	⚡	R	⚡	R	⚡	R	43	⚡	R	⚡	R	⚡	R	⚡	R	⚡	R
51	—	⚡	—	⚡	⚡	⚡	⚡	—	⚡	⚡	51	—	⚡	—	⚡	⚡	⚡	—	⚡	⚡	⚡
61,62	R	G	R	G	R	R	R	G	R	R	61,62	R	G	R	G	R	R	R	G	R	R
63	R	⚡	R	⚡	R	R	R	⚡	R	R	63	R	⚡	R	⚡	R	R	⚡	R	⚡	R
P21,P22	DW	DW	W	W	DW	DW	DW	DW	DW	DRK	P21,P22	DW	DW	W	W	DW	DW	DW	DW	DW	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DW	DW	DRK	P61,P62	DW	W	DW	W	DW	DW	DW	DW	DW	DRK



Signal Upgrade - Final Design - Sheet 2 of 2

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

Project #: 230907

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TRANSPORTATION MOBILITY AND SAFETY DIVISION
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section

750 N. Greenfield Pkwy, Garner, NC 27529

NC 53 (Western Boulevard)
at
Gateway South

Division 3 Onslow County Jacksonville

PLAN DATE: May 2025 REVIEWED BY: D. Bennett

PREPARED BY: B. Dowell REVIEWED BY:

REVISIONS

INIT. DATE

SEAL

SEAL 020608

ENGINEER

Donald R. Bennett II

20CB8701D4084FC...

7/2/2025

SIGNATURE DATE

SIG. INVENTORY NO. 03-0896