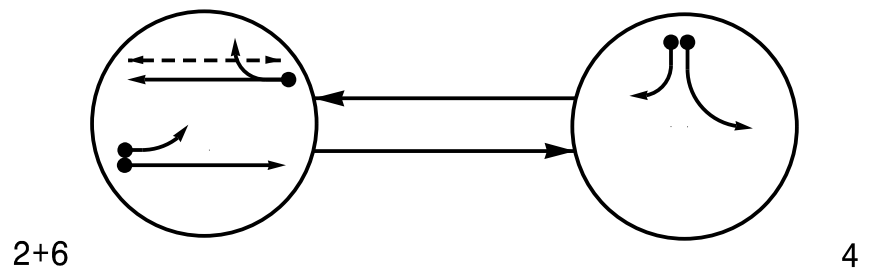


PHASING DIAGRAM



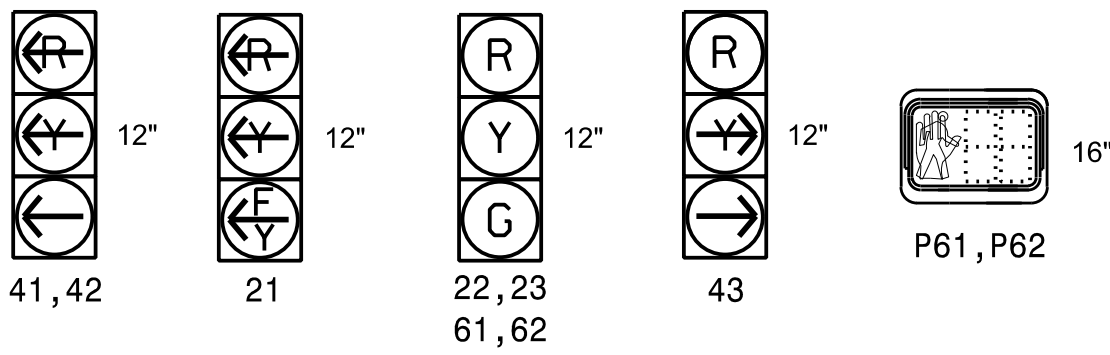
PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ←- UN SIGNALIZED MOVEMENT
- ←- -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION			
SIGNAL FACE	PHASE		FLASH
	2 + 6	4	
21	F	R	R
22, 23	G	R	R
41, 42	R	R	R
43	R	R	R
61, 62	G	R	R
P61, P62	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



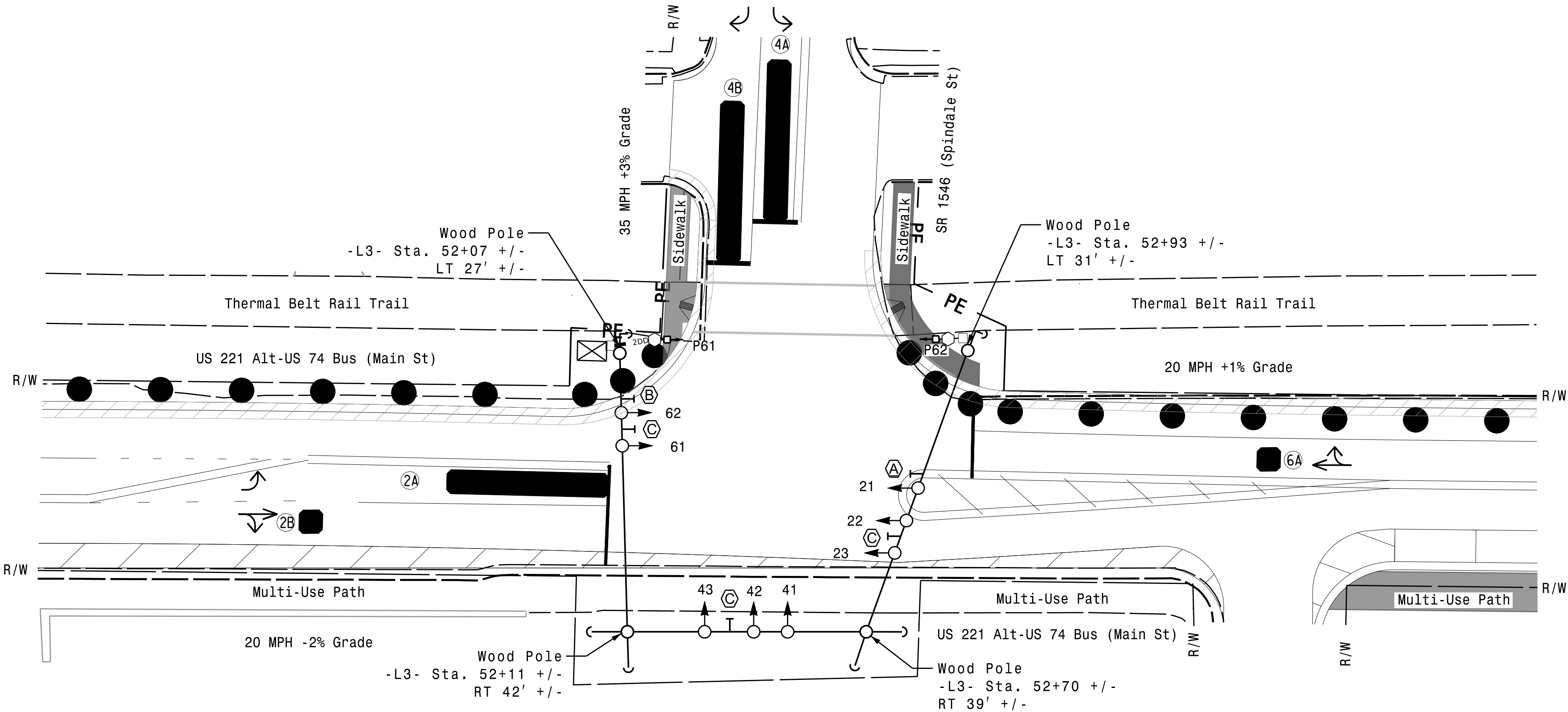
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD
2A	*	70	*	X	2	-	-	X	-	X	*
2B	*	0	*	X	2	-	-	X	-	X	*
4A	*	0	*	X	4	3.0	-	X	-	X	*
4B	*	0	*	X	4	-	-	X	-	X	*
6A	*	70	*	X	6	-	-	X	-	X	*

* Multizone Microwave Detection

2 Phase
Fully Actuated
Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- See HL-0065 TMP Phase II for pavement markings.



MAXTIME TIMING CHART

FEATURE	PHASE		
	2	4	6
Walk *	-	-	14
Ped Clear	-	-	11
Min Green *	10	7	10
Passage *	3.0	2.0	3.0
Max I *	45	25	45
Yellow Change	3.0	3.0	3.0
Red Clear	3.0	2.8	3.0
Red Revert	2.0	2.0	2.0
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	-	-	7
Non Lock Detector	-	X	-
Vehicle Recall	MIN RECALL	-	MIN RECALL
Dual Entry	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED	EXISTING

Signal Upgrade
Temporary Design 1
(Construction Phase 2)

HNTB

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Prepared for: 	US 221 Alt-US 74 Bus (Main St) at SR 1546 (Spindale St) Division 13 Rutherford County Spindale PLAN DATE: February 2026 REVIEWED BY: N.K. Vianich PREPARED BY: E.E. Tiller REVIEWED BY: N.R. Simmons	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
750 N. Greenfield Hwy, Garner, NC 27529 	REVISIONS INIT. DATE	SEAL NORTH CAROLINA PROFESSIONAL SEAL 031464 ENGINEER W. J. SHAW R. SIMMONS
	SIGNATURE N. K. Vianich DATE 5/12/2026	SIG. INVENTORY NO. 13-01741