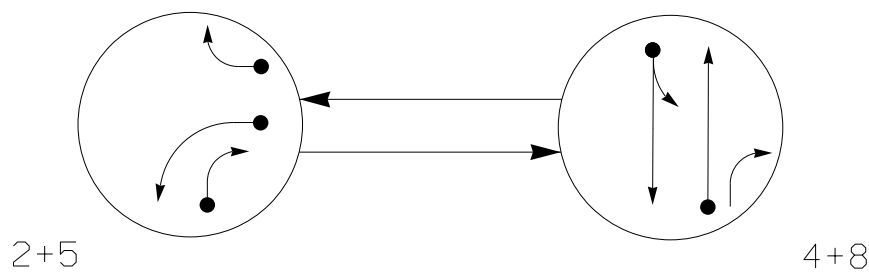
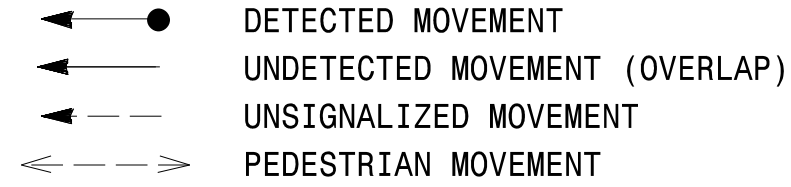


PHASING DIAGRAM



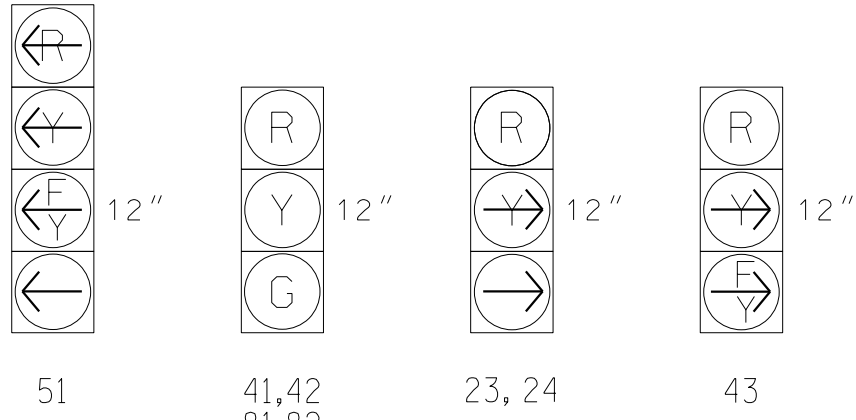
PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE	PHASE		
	2+5	4+8	FLASH
23,24	→	R	R
41,42	R	G	R
43	↵	↵	R
51	←	←	←
81,82	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



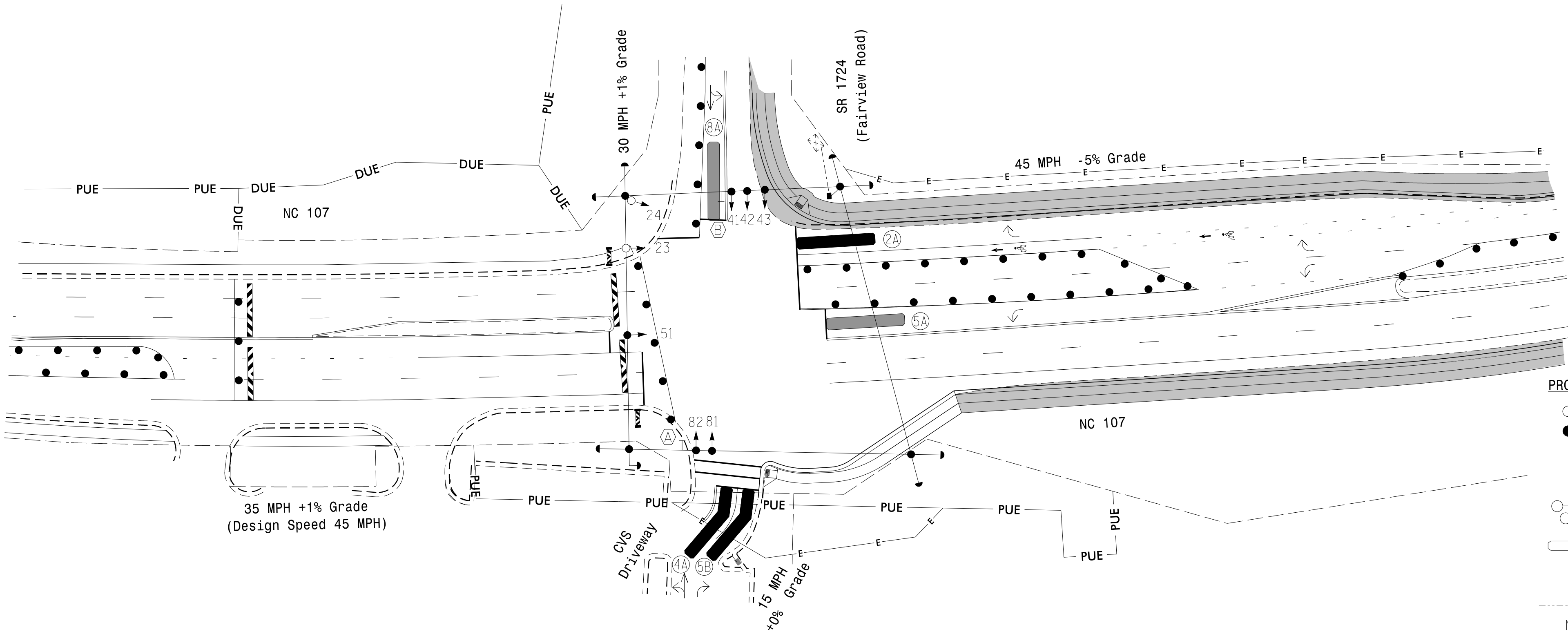
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD
2A	*	0	*	X	2	-	-	X	-	X	*
4A	*	0	*	-	4	3.0	-	X	-	X	*
5A	6X40	0	*	*	5	15.0	-	X	-	X	*
5B	*	0	*	-	5	5.0	-	X	-	X	*
8A	*	0	*	-	8	-	-	X	-	X	*

* Multi-Zone Microwave Detection Zone

2 Phase
Fully Actuated
(Time Based Coordination)

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.
- Disconnect and bag existing signal heads 11, 21, 22, 61, 62 and 83.
- Bag existing No U-Turn sign (R3-4).
- Set all detectors to presence mode.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

PROPOSED	EXISTING
	N/A
N/A	
	N/A
N/A	
N/A	
N/A	
N/A	
N/A	

MAXTIME TIMING CHART

FEATURE	PHASE			
	2	4	5	8
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Min Green *	12	7	12	7
Passage *	2.0	2.0	2.0	2.0
Max I *	50	50	50	50
Yellow Change	3.1	3.5	3.1	3.5
Red Clear	2.4	4.5	2.4	4.5
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	-	-
Non Lock Detector	X	X	X	X
Vehicle Recall	MIN RECALL	-	MIN RECALL	-
Dual Entry	-	X	-	X

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

Signal Upgrade
Temporary Design 2 - TMP Ph1, S1A



	Prepared for: 	
	750 N. Greenfield Pkwy, Garner, NC 27529	
Planned By: 		Division 14 Jackson County Sylva
PLAN DATE: October 2025		REVIEWED BY: ZM Esposito
PREPARED BY: DS Griffith		REVIEWED BY: BN Groome
REVISIONS		INIT. DATE
0		40
1"=40'		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		SEAL
		10/1/2025
SIC. INVENTORY NO.		14-079012