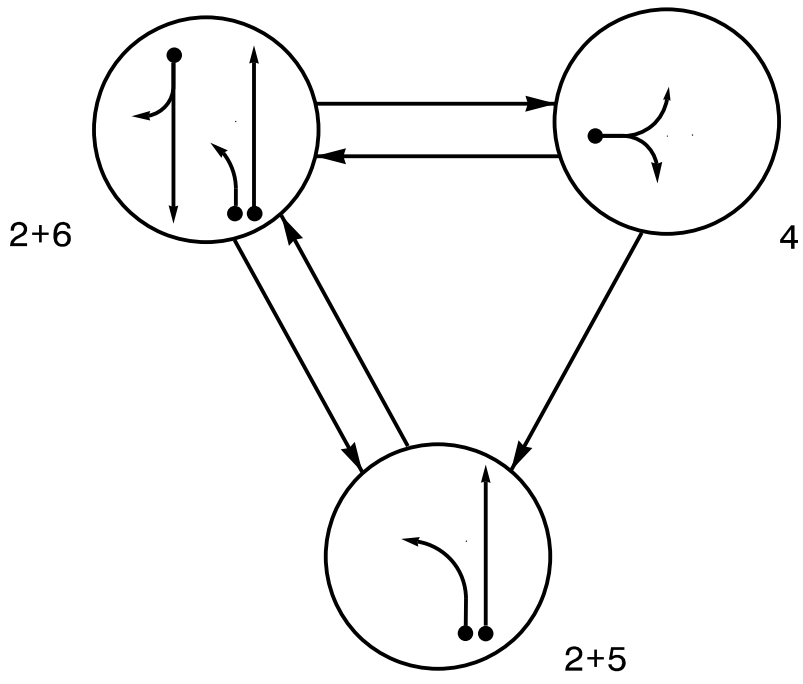


PHASING DIAGRAM



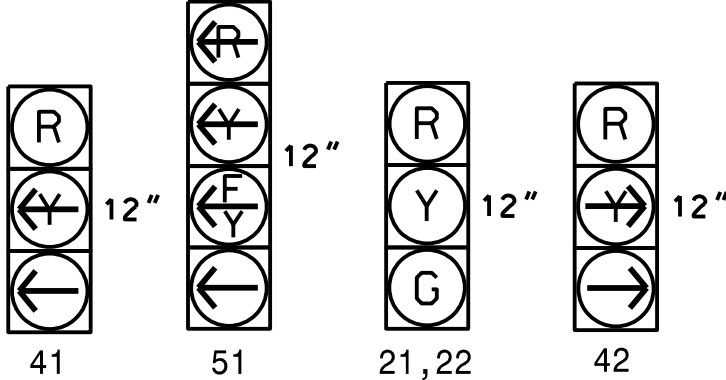
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	2 + 5	2 + 6	4	FLASH
21,22	G	G	R	R
41	R	R	—	R
42	R	R	—	R
51	—	—	—	—
61,62	R	G	R	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 DURING GREEN	NEW CARD
2A	6X6	300	6	X	2	-	-	X	X	X	-
4A*	6X40	+5	*	*	4	5.0	-	X	-	X	-
5A	6X40	0	2-4-2	X	5	15.0	-	X	-	X	-
6A	6X6	330	6	X	6	-	-	X	X	X	-

* Video detection zone

3 Phase Fully Actuated Isolated

NOTES

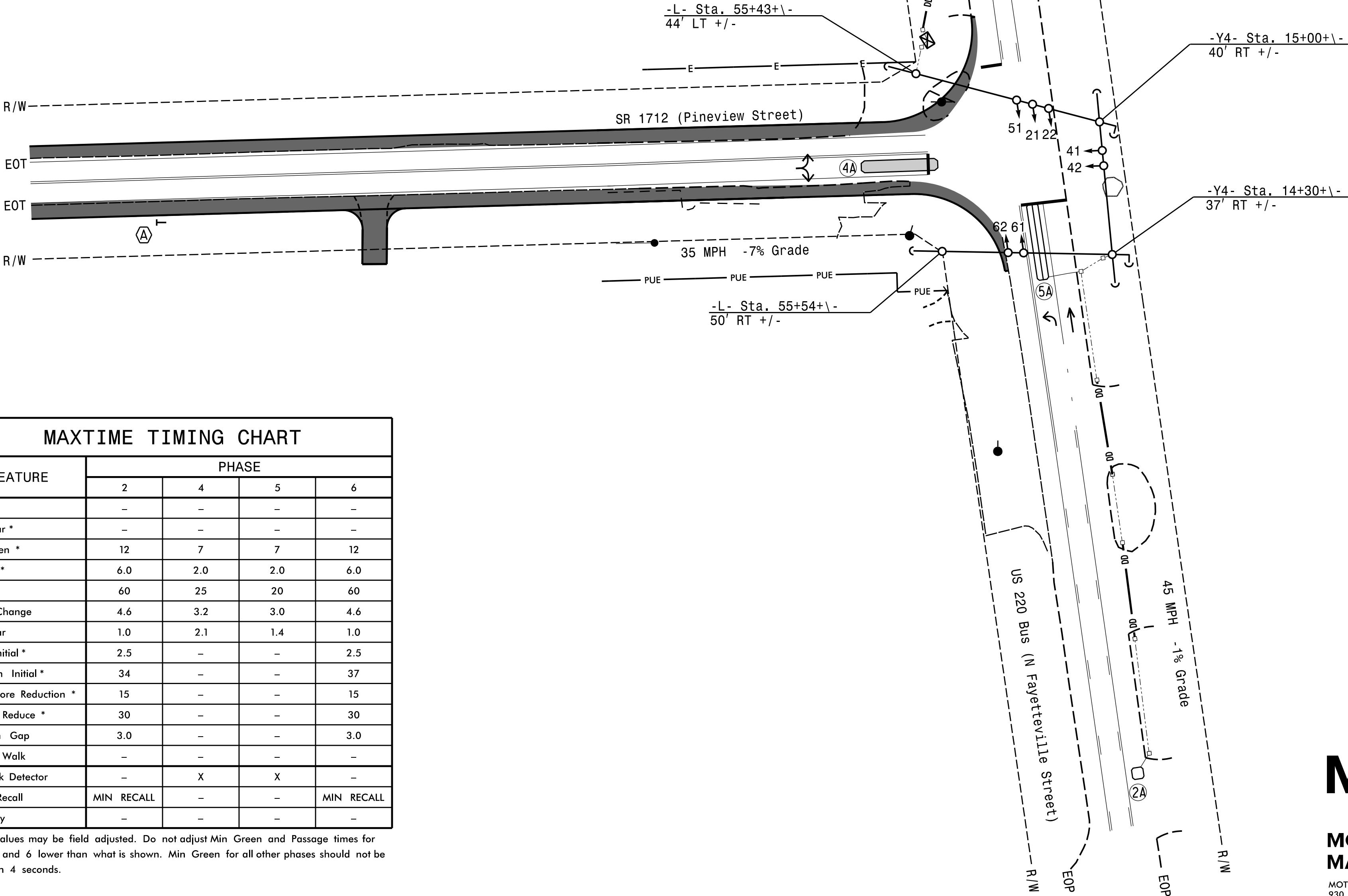
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses video detection. Install 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 sytem timing values supersede these values.

LEGEND

PROPOSED	EXISTING
	N/A
	N/A

MAXTIME TIMING CHART				
FEATURE	PHASE			
	2	4	5	6
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green *	12	7	7	12
Passage *	6.0	2.0	2.0	6.0
Max I *	60	25	20	60
Yellow Change	4.6	3.2	3.0	4.6
Red Clear	1.0	2.1	1.4	1.0
Added Initial *	2.5	-	-	2.5
Maximum Initial *	34	-	-	37
Time Before Reduction *	15	-	-	15
Time To Reduce *	30	-	-	30
Minimum Gap	3.0	-	-	3.0
Advance Walk	-	-	-	-
Non Lock Detector	-	X	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.



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License No. F-0669



US 220 Bus (N Fayetteville St)
at
SR 1712 (Pineview Street)

Division 8 Randolph County Asheboro

PLAN DATE: November 2025 REVIEWED BY: R Mullinax

PREPARED BY: LD Stouchko REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

