

PHASING DIAGRAM

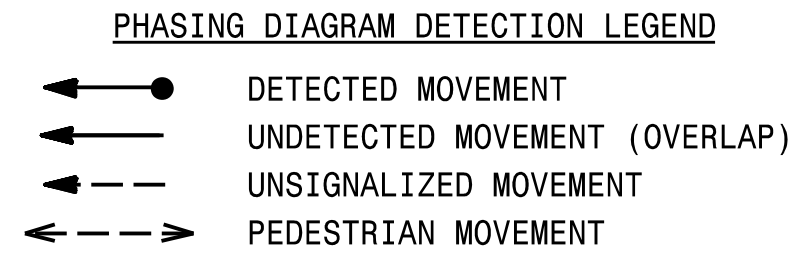
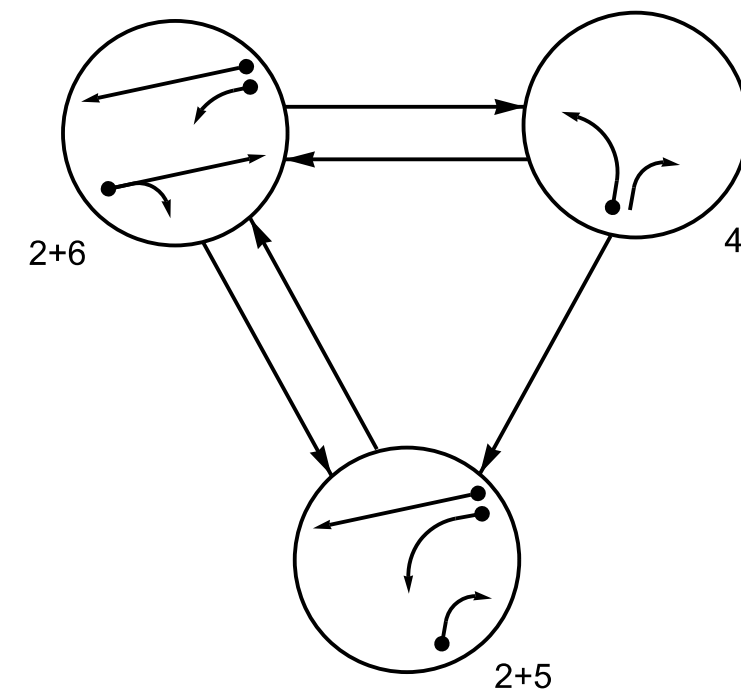
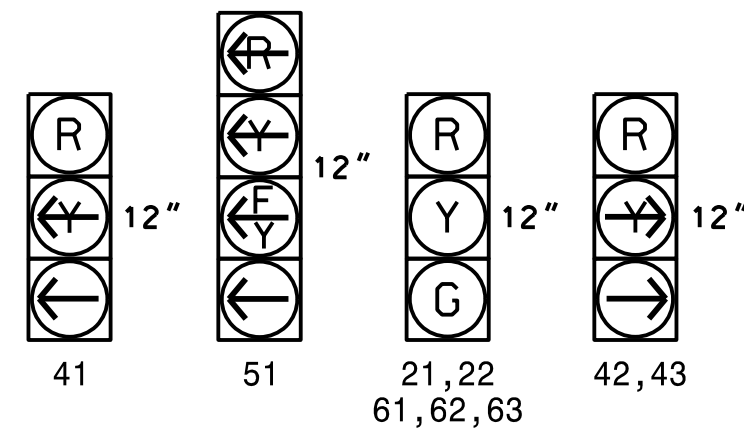


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	2+5	2+6	4	FLASH
21, 22	G	G	R	R
41	R	R	---	R
42, 43	---	R	---	R
51	---	F	R	R
61, 62, 63	R	G	R	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

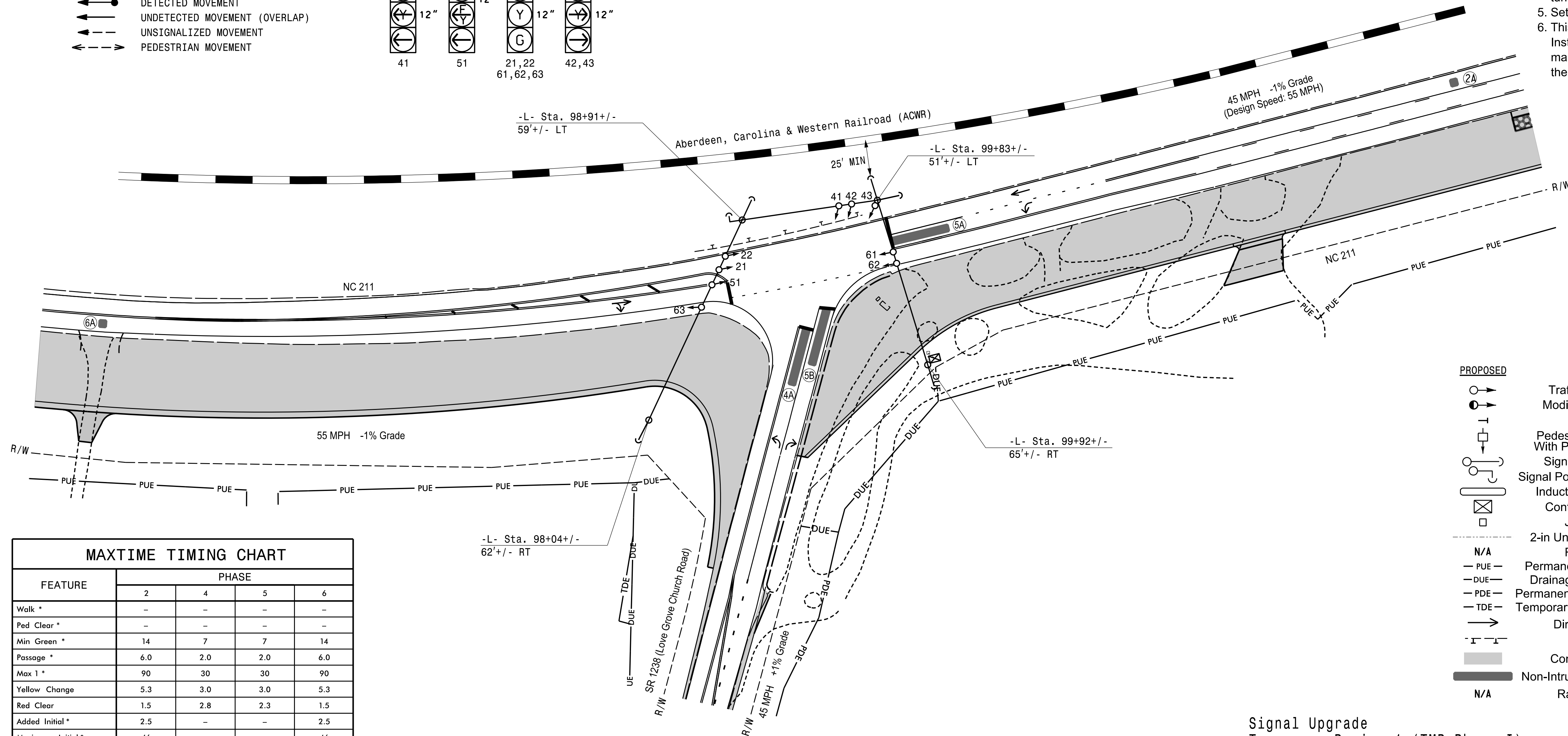
ZONE	DETECTOR				PROGRAMMING							
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD	
2A *	6X6	420	*	*	2	-	-	X	X	X	-	*
4A *	6X40	0	*	*	4	3.0	-	X	-	X	-	*
5A *	6X40	0	*	*	5	15.0	-	X	-	X	-	*
5B *	6X40	0	*	*	2	3.0	-	X	-	X	-	*
6A *	6X6	420	*	*	6	-	-	X	X	X	-	*

\* Video Detection Zone

3 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by Engineer.
3. Phase 5 may be lagged.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Set all detector units to presence mode.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

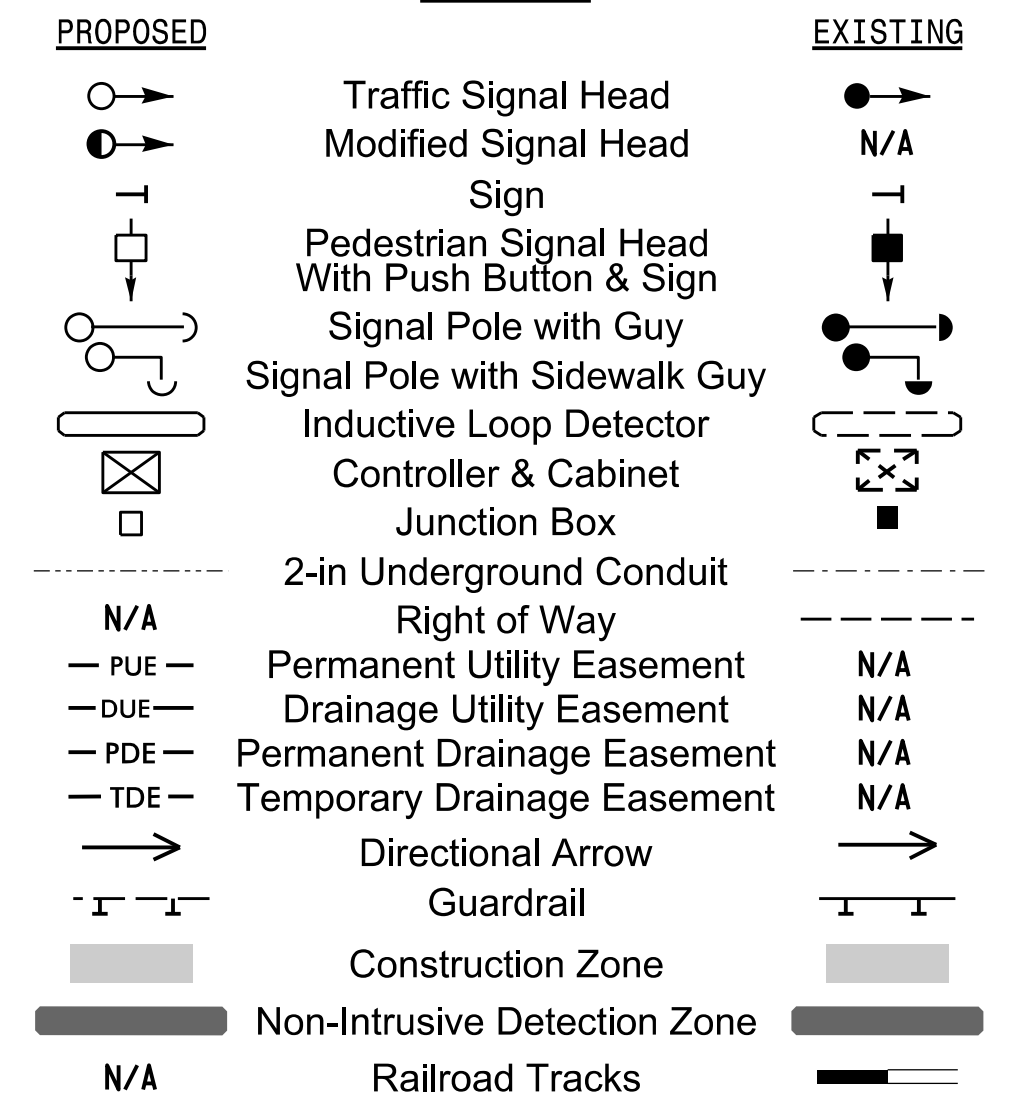


MAXTIME TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green *	14	7	7	14
Passage *	6.0	2.0	2.0	6.0
Max I *	90	30	30	90
Yellow Change	5.3	3.0	3.0	5.3
Red Clear	1.5	2.8	2.3	1.5
Added Initial *	2.5	-	-	2.5
Maximum Initial *	46	-	-	46
Time Before Reduction *	15	-	-	15
Time To Reduce *	45	-	-	45
Minimum Gap	3.4	-	-	3.4
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.

LEGEND



Signal Upgrade Temporary Design 1 (TMP Phase I)

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Prepared for:  
TRANSPORTATION MOBILITY AND SAFETY DIVISION  
STATE OF NORTH CAROLINA  
SIGNAL DESIGN SECTION  
750 N. Greenfield Pkwy, Garner, NC 27529

NC 211 at SR 1238 (Love Grove Church Rd)  
Division 8 Moore County West End  
PLAN DATE: June 2024 REVIEWED BY: R. Mullinax  
PREPARED BY: LD Stouchko REVIEWED BY:  
REVISIONS  
INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  
SEAL  
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Professional Engineer  
No. 034437  
SIGNATURE DATE  
SIG. INVENTORY NO. 08-070911