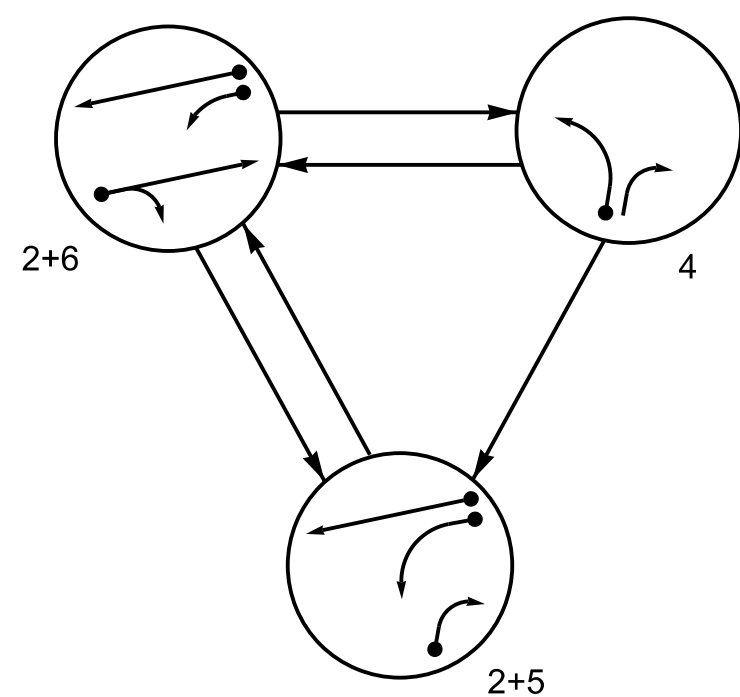
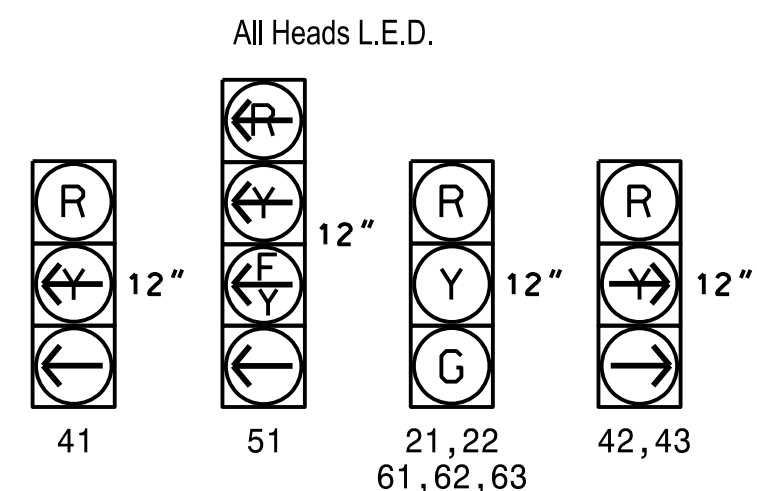


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	2+5	2+6	4	FLASHERS
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.



PHASING DIAGRAM DETECTION LEGEND

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

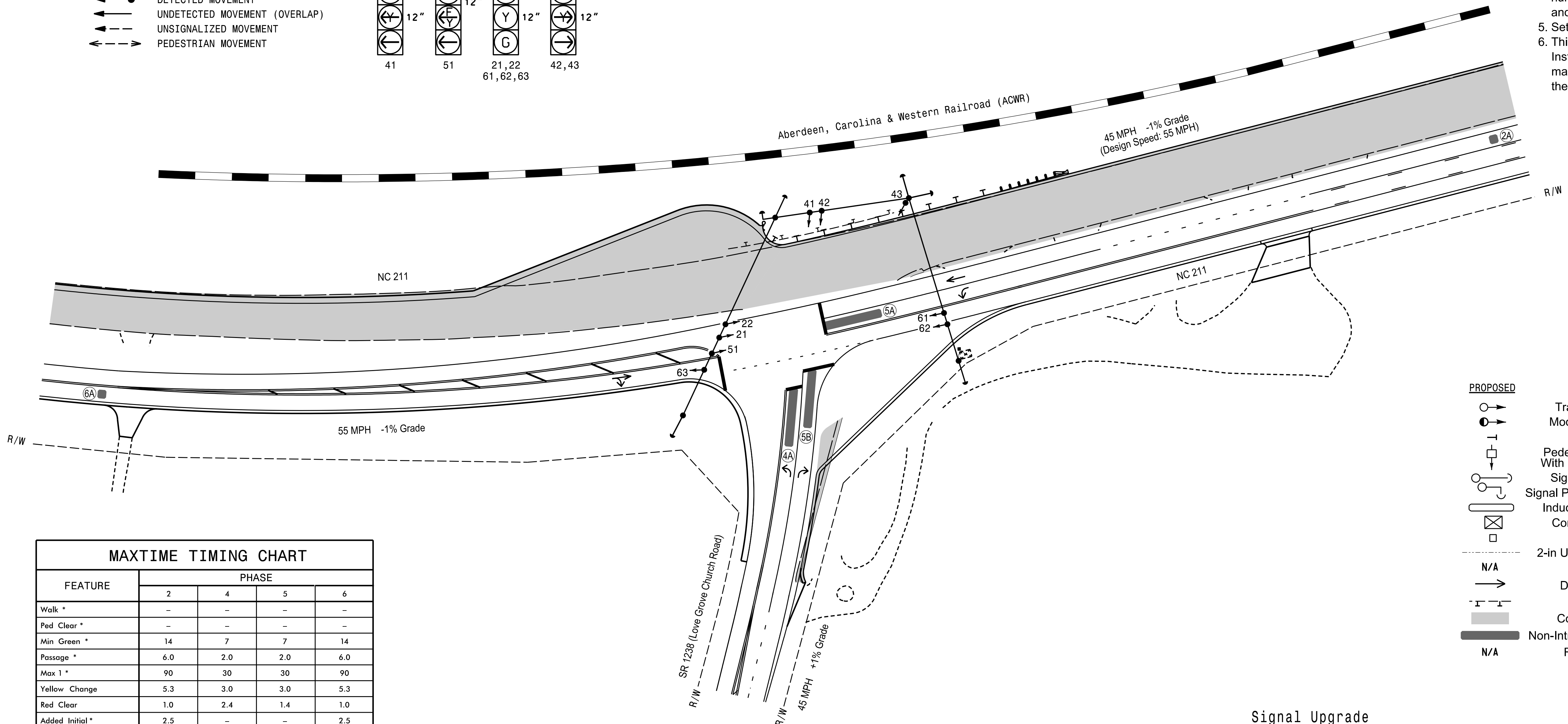
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DURING GREEN	NEW CARD
2A *	6X6	420	*	*	2	-	-	X	X	X	*
4A *	6X40	0	*	*	4	3.0	-	X	-	X	*
5A *	6X40	0	*	*	5	15.0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

* Video Detection Zone

3 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation, unless otherwise directed by Engineer.
- Phase 5 may be lagged.
- Reposition existing signal heads numbered 21, 22, 41, 42, 51, 61, 62 and 63.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



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	1.0	2.4	1.4	1.0
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

- | PROPOSED | EXISTING |
|--|--|
| ○➔ Traffic Signal Head | ●➔ N/A |
| ●➔ Modified Signal Head | ➔ N/A |
| ⊕ Sign | ⊕ Sign |
| ⊕ Pedestrian Signal Head With Push Button & Sign | ⊕ Pedestrian Signal Head With Push Button & Sign |
| ⊕ Signal Pole with Guy | ⊕ Signal Pole with Guy |
| ⊕ Signal Pole with Sidewalk Guy | ⊕ Signal Pole with Sidewalk Guy |
| ⊕ Inductive Loop Detector | ⊕ Inductive Loop Detector |
| ⊕ Controller & Cabinet | ⊕ Controller & Cabinet |
| ⊕ Junction Box | ⊕ Junction Box |
| ⊕ 2-in Underground Conduit | ⊕ 2-in Underground Conduit |
| - - - Right of Way | - - - Right of Way |
| ➔ Directional Arrow | ➔ Directional Arrow |
| - - - Guardrail | - - - Guardrail |
| ▭ Construction Zone | ▭ Construction Zone |
| ▭ Non-Intrusive Detection Zone | ▭ Non-Intrusive Detection Zone |
| - - - Railroad Tracks | - - - Railroad Tracks |

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Signal Upgrade
 Temporary Design 2 (TMP Phase II)

Prepared for:

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:

SCALE: 1" = 40'

REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: LOUI D. STOUCHKO, PROFESSIONAL ENGINEER, SEAL 034437

SIGNATURE: DATE: SIG. INVENTORY NO. 08-070912