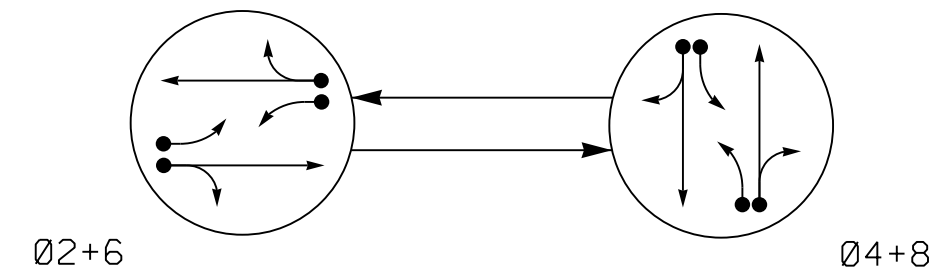


PHASING DIAGRAM



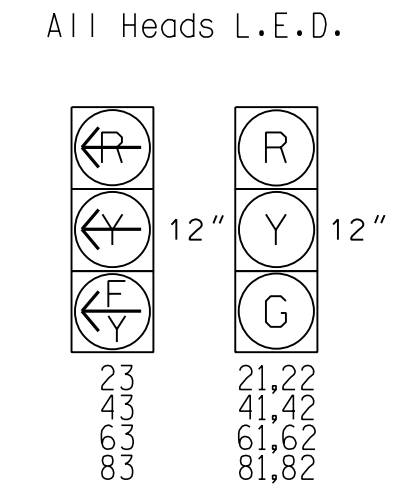
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2+6	Ø 4+8	FLASH
21,22	G	R	R
23	F	F	F
41,42	R	G	R
43	R	F	R
61,62	G	R	R
63	F	F	F
81,82	R	G	R
83	R	F	R

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

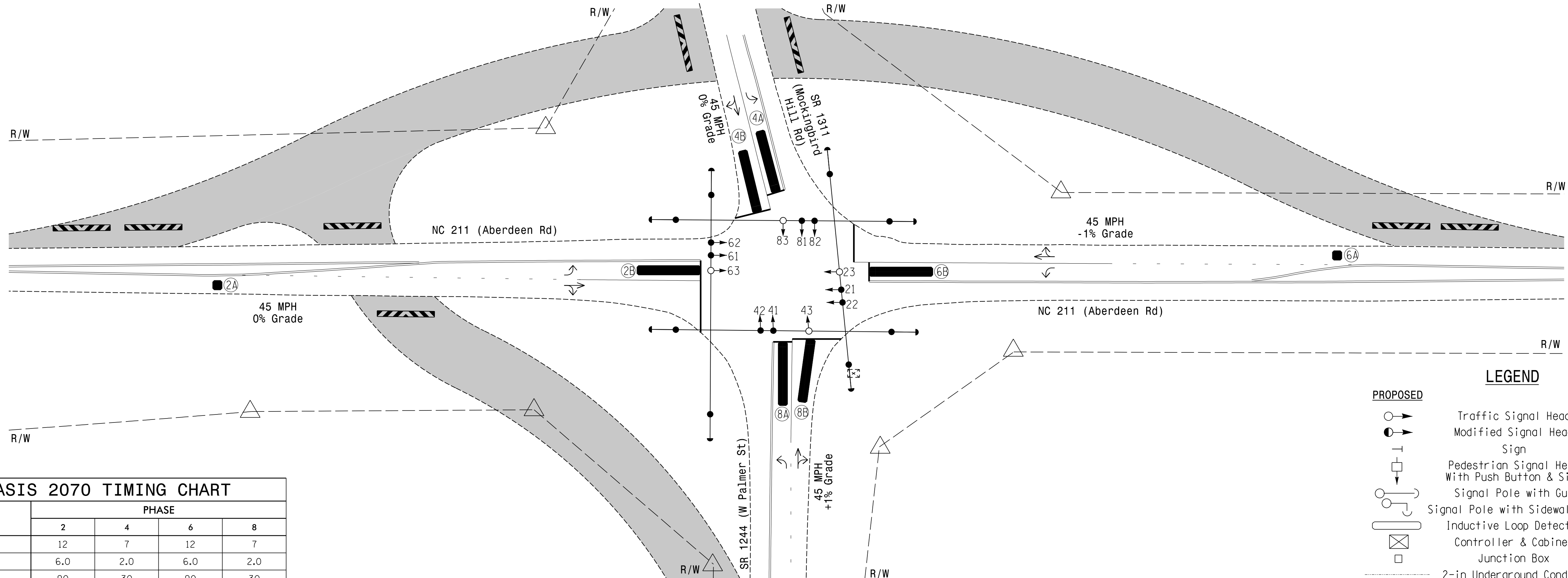
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	DETECTOR PROGRAMMING									
			TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A*	6X6	300	*	*	2	Y	Y	-	-	-	-	*
2B*	6X40	0	*	*	2	Y	Y	Y	-	3	-	*
4A*	6X40	0	*	*	4	Y	Y	-	-	3	-	*
4B*	6X40	0	*	*	4	Y	Y	-	-	10	-	*
6A*	6X6	300	*	*	6	Y	Y	-	-	-	-	*
6B*	6X40	0	*	*	6	Y	Y	Y	-	3	-	*
8A*	6X40	0	*	*	8	Y	Y	-	-	3	-	*
8B*	6X40	0	*	*	8	Y	Y	-	-	10	-	*

* VIDEO DETECTION ZONE

2 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Reposition existing signal heads numbered 41,42,81 and 82.
4. Set all detector units to presence mode.
5. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	30	90	30
Yellow Clearance	4.6	4.5	4.6	4.5
Red Clearance	1.3	1.0	1.3	1.0
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	2.5	-	2.5	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON

* 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.

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
○ → Modified Signal Head	N/A
○ → Pedestrian Signal Head	N/A
○ → Signal Head With Push Button & Sign	N/A
○ → 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
N/A → Right of Way	— → Right of Way
→ → Directional Arrow	→ → Directional Arrow
▨ → Construction Zone	▨ → Construction Zone
▨ → Non-Intrusive Detection Zone	▨ → Non-Intrusive Detection Zone
▨ → Type III Barricade	▨ → Type III Barricade

Signal Upgrade - Temporary Design (TMP Phase I Step 2) **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE: 1" = 40'

NC 211 (Aberdeen Rd) at SR 1311 (Mockingbird Hill Rd) / SR 1244 (W Palmer St)
 Division 8 Hoke County Raeford
 PLAN DATE: August 2024 REVIEWED BY: WP Erickson-Jones
 PREPARED BY: VS Kondapally REVIEWED BY:
 REVISIONS: INIT. DATE

SEAL

 PORTER JONES
 8/28/2024
 SIGNATURE DATE
 SIG. INVENTORY NO. 08-0669T

8/27/2024 10:05:10 AM C:\Users\jgms\OneDrive\Documents\Projects\5709C\Drawings\08-0669T.dgn