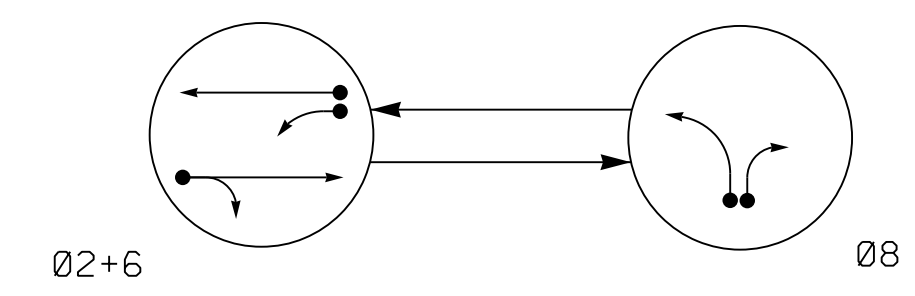


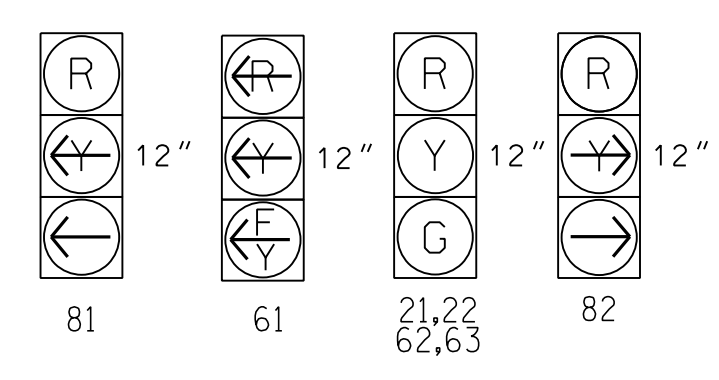
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ◄ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	2+6	8	TL
21,22	G	R	R
61	F	R	R
62,63	G	R	R
81	R	-	R
82	R	-	R

SIGNAL FACE I.D.
All Heads L.E.D.



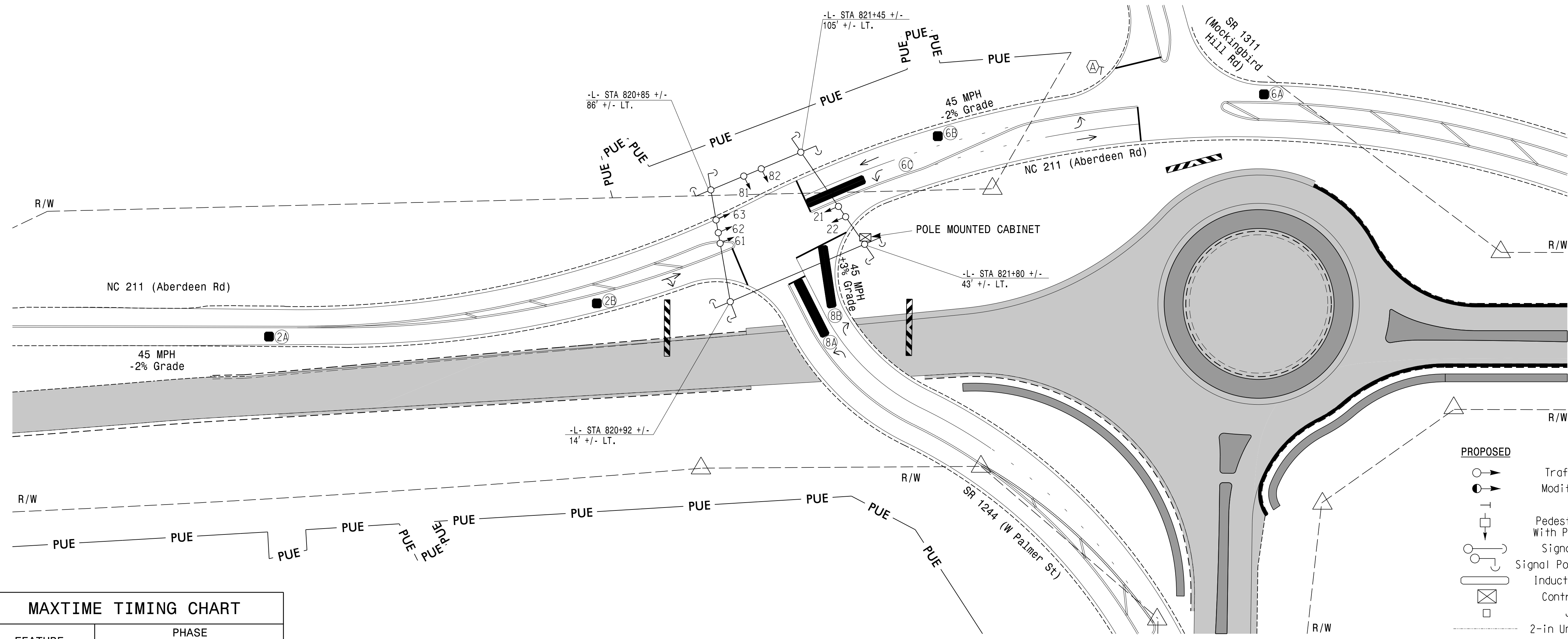
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A*	6X6	300	*	*	2	-	1.6	X	-	X	-
2B*	6X6	90	*	*	2	-	-	X	-	X	-
6A*	6X6	300	*	*	6	-	1.6	X	-	X	-
6B*	6X6	90	*	*	6	-	-	X	-	X	-
6C*	6X40	0	*	*	6	-	-	X	-	X	-
8A*	6X40	0	*	*	8	3.0	-	X	-	X	-
8B*	6X40	0	*	*	8	15.0	-	X	-	X	-

* 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. Set all detector units to presence mode.
4. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



FEATURE	PHASE		
	2	6	8
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	12	12	7
Passage *	2.0	2.0	2.0
Max 1 *	90	90	30
Yellow Change	4.7	4.7	3.0
Red Clear	1.2	1.2	1.9
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	-	-	-
Non Lock Detector	-	-	X
Vehicle Recall	MIN RECALL	MIN RECALL	-
Dual Entry	-	-	-

* 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.

PROPOSED		EXISTING	
○	Traffic Signal Head	●	N/A
◐	Modified Signal Head	-	-
⊥	Sign	⊥	-
⊥	Pedestrian Signal Head With Push Button & Sign	⊥	-
⊥	Signal Pole with Guy	⊥	-
⊥	Signal Pole with Sidewalk Guy	⊥	-
⊥	Inductive Loop Detector	⊥	-
⊥	Controller & Cabinet	⊥	-
⊥	Junction Box	⊥	-
- - -	2-in Underground Conduit	- - -	-
N/A	Right of Way	- - -	-
→	Directional Arrow	→	-
▬	Construction Zone	▬	-
▬	Non-Intrusive Detection Zone	▬	-
▬	Type III Barricade	▬	-
▬	"STOP" Sign (R1-1)	▬	-
- - -	PUE - Permanent Utility Easement	- - -	-

New Installation - Temporary Signal (TMP Phase I Step 3) **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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 Responsive People | Creative Solutions

Prepared for the Offices of:

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

NC 211 (Aberdeen Rd) at 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
 056142
 ENGINEER
 DocuSigned by:
 Porter Jones
 8/28/2024
 SIGNATURE DATE
 SIG. INVENTORY NO. 08-06701

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