DEFAULT PHASING DIAGRAM

Ø6   Ø3

ALTERNATE PHASING DIAGRAM

Ø6   Ø3

PHASING DIAGRAM DETECTION LEGEND

- ●──◄ DETECTED MOVEMENT
- ──◄ UNDETECTED MOVEMENT (OVERLAP)
- ─ ─◄ UNSIGNALIZED MOVEMENT
- ⟨─ ─ PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

All Heads L.E.D.

12"   12"

61,62

31

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø6	Ø3	FLASH
31	⟲	⟳	R
61,62	↑	R	R

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø6	Ø3	FLASH
31	R	⟳	R
61,62	↑	R	R

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. The Division Traffic Engineer will determine the hours of use for each phasing plan.

NC 211 (Aberdeen Rd)

R/W

R/W

R/W

55 MPH
-4% Grade

55 MPH
-3% Grade

METAL POLE #1
-L- STA 497+77 +/-
9' +/- LT.

NC 211 (Aberdeen Rd)

62
61

DD (3A)
3B
31

6A
6B

MAXTIME TIMING CHART

FEATURE	PHASE	
	3	6
Walk *	-	-
Ped Clear *	-	-
Min Green	7	14
Passage *	2.0	6.0
Max 1 *	25	100
Yellow Change	3.0	5.6
Red Clear	5.0	1.4
Added Initial *	-	1.5
Maximum Initial *	-	46
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.4
Advance Walk	-	-
Non Lock Detector	X	-
Vehicle Recall	-	MIN RECALL
Dual Entry	-	-

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

MAXTIME DETECTOR INSTALLATION CHART

LOOP	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	
3A	6X40	0	2-4-2	X		3	15.0#	-	X	-	X	-	X	
3B	6X40	0	2-4-2	X		3	15.0#	-	X	-	X	-	X	
6A	6X6	420	5	X		6	-	-	X	X	X	-	X	
6B	6X6	420	5	X		6	-	-	X	X	X	-	X	

\# Disable Delay Time During Alternate Phasing Operation.

LEGEND

PROPOSED		EXISTING
○─►	Traffic Signal Head	●─►
●─►	Modified Signal Head	N/A
─┤	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	─►
	Metal Pole with Mastarm	
N/A	Guardrail	
─DD─	Directional Drill	N/A
○	Type II Signal Pedestal	●
Ⓐ	No Left Turn Sign (R3-2)	Ⓐ

New Installation

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:
Transportation Mobility and Safety Division
NCDOT
Signal Design Section
750 N. Greenfield Pkwy, Garner, NC 27529

NC 211 Westbound
At
U-Turn South of
SR 1219 (Plank Rd)
Division 8   Hoke County   Ashley Heights

PLAN DATE: August 2024	REVIEWED BY: WP Erickson-Jones
PREPARED BY: VS Kondapally	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
056142
PORTER JONES

DocuSigned by:
Porter Jones
SIGNATURE   8/28/2024
DATE

SIG. INVENTORY NO.   08-0487

SCALE
0   40
1"=40'