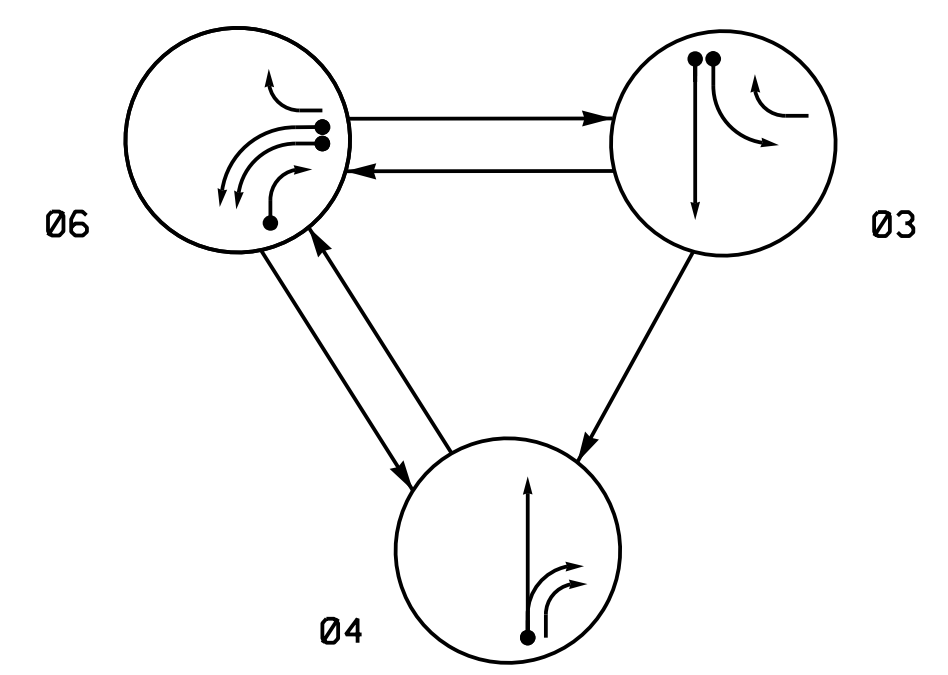


PHASING DIAGRAM

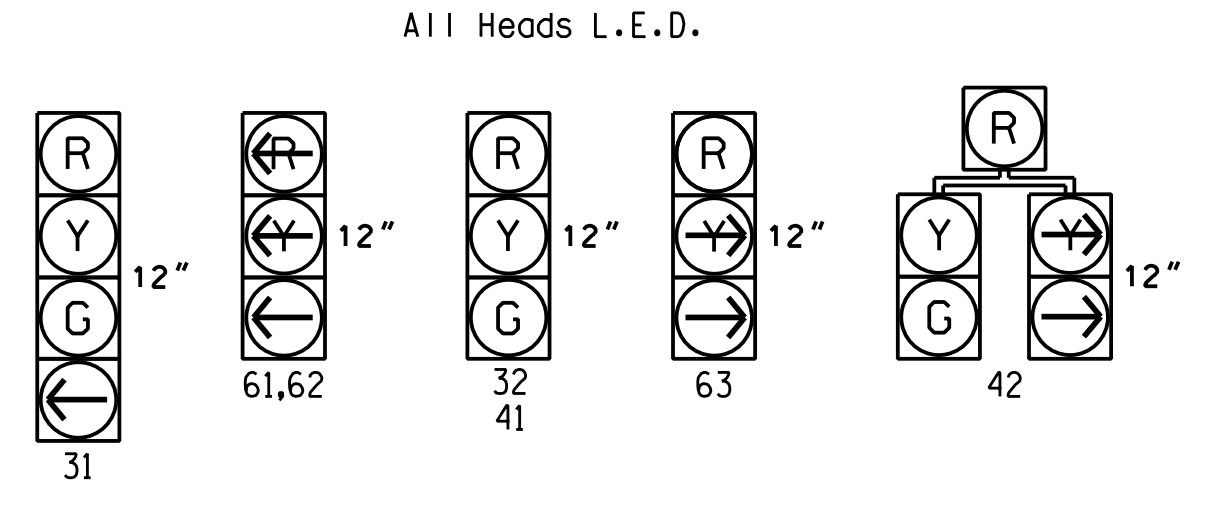


PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	06	03	04	FLASH
31	R	G	R	R
32	R	G	R	R
41	R	R	G	R
42	R	R	G	R
61,62	-	-	-	-
63	-	-	R	-

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
3A	6X40	0	*	*	3	Y	Y	-	-	3	-	Y
3B	6X40	0	*	*	3	Y	Y	-	-	-	-	-
4A	6X40	0	*	*	4	Y	Y	-	-	-	-	-
6A	6X6	300	*	*	6	Y	Y	-	-	-	-	-
6B	6X6	300	*	*	6	Y	Y	-	-	-	-	-
6C	6X40	0	*	*	6	Y	Y	Y	2.0	5	-	Y
6D	6X40	0	*	*	6	Y	Y	Y	2.0	5	-	Y
6E	6X40	0	*	*	6	Y	Y	-	-	-	-	Y

* Multizone Microwave Detection.

3 Phase Fully Actuated (NC 133 Closed Loop System)

NOTES

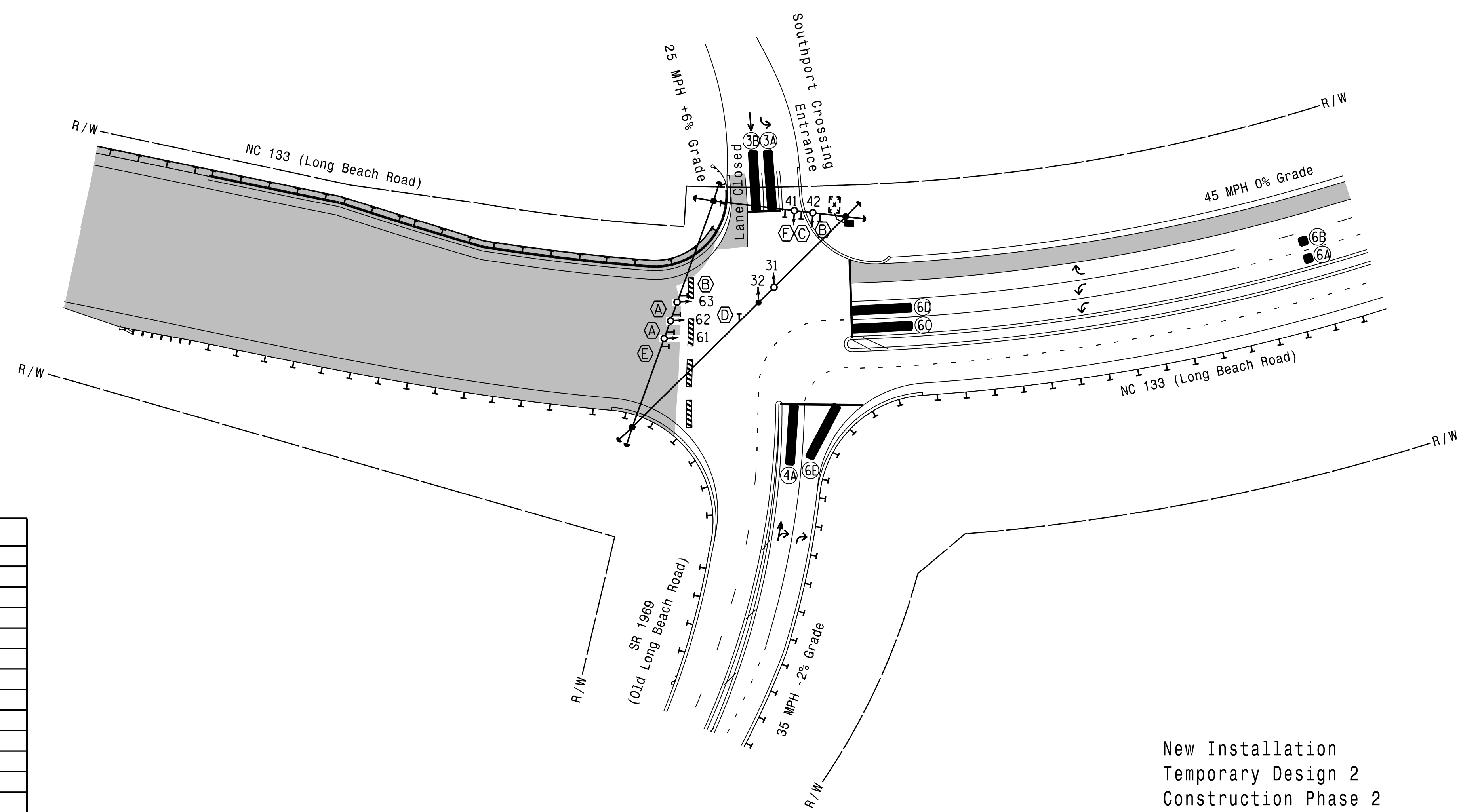
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- The order of Phase 3 and Phase 4 may be reversed.
- Reposition existing signal head numbered 32.
- Set all detector units to presence mode.
- Incorporate Microwave Detection system for vehicle detection.
- Provide the Engineer with the Manufacturer's approved Microwave Detection locations and mounting heights to obtain detection zones as shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #: 1125.

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Modified Signal Head
○ → Sign	N/A
□ → Pedestrian Signal Head With Push Button & Sign	□ → Sign
○ → Signal Pole with Guy	○ → Signal Pole with Sidewalk Guy
□ → Controller & Cabinet	□ → Junction Box
--- 2-in Underground Conduit	--- Right of Way
N/A → Directional Arrow	→ Directional Arrow
▬ Microwave Detection Zone	▬ Guardrail
▬ Construction Zone	N/A
▬ Construction Barrier	N/A
(A) Left Arrow "ONLY" Sign (R3-5L)	(A)
(B) Right Arrow "ONLY" Sign (R3-5R)	(B)
(C) Combined Through and Right Arrow Sign (R3-6R)	(C)
(D) No Right Turn Sign (R3-1)	(D)
(E) No U Turn Sign (R3-4)	(E)
(F) No Left Turn Sign (R3-2)	(F)

OASIS 2070 TIMING CHART			
FEATURE	PHASE		
	3	4	6
Min Green 1 *	7	7	12
Extension 1 *	2.0	2.0	2.0
Max Green 1 *	30	30	60
Yellow Clearance	3.0	4.0	3.0
Red Clearance	3.3	1.6	3.2
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	-	-	MIN RECALL
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

* 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.



New Installation
Temporary Design 2
Construction Phase 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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	NC 133 (Long Beach Road) at SR 1969 (Old Long Beach Road) / Southport Crossing Entrance		
	Division 03 Brunswick Co. Southport PLAN DATE: June 2017 REVIEWED BY: A.D. Klinskiesk PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons	REVISIONS INIT. DATE _____ _____	