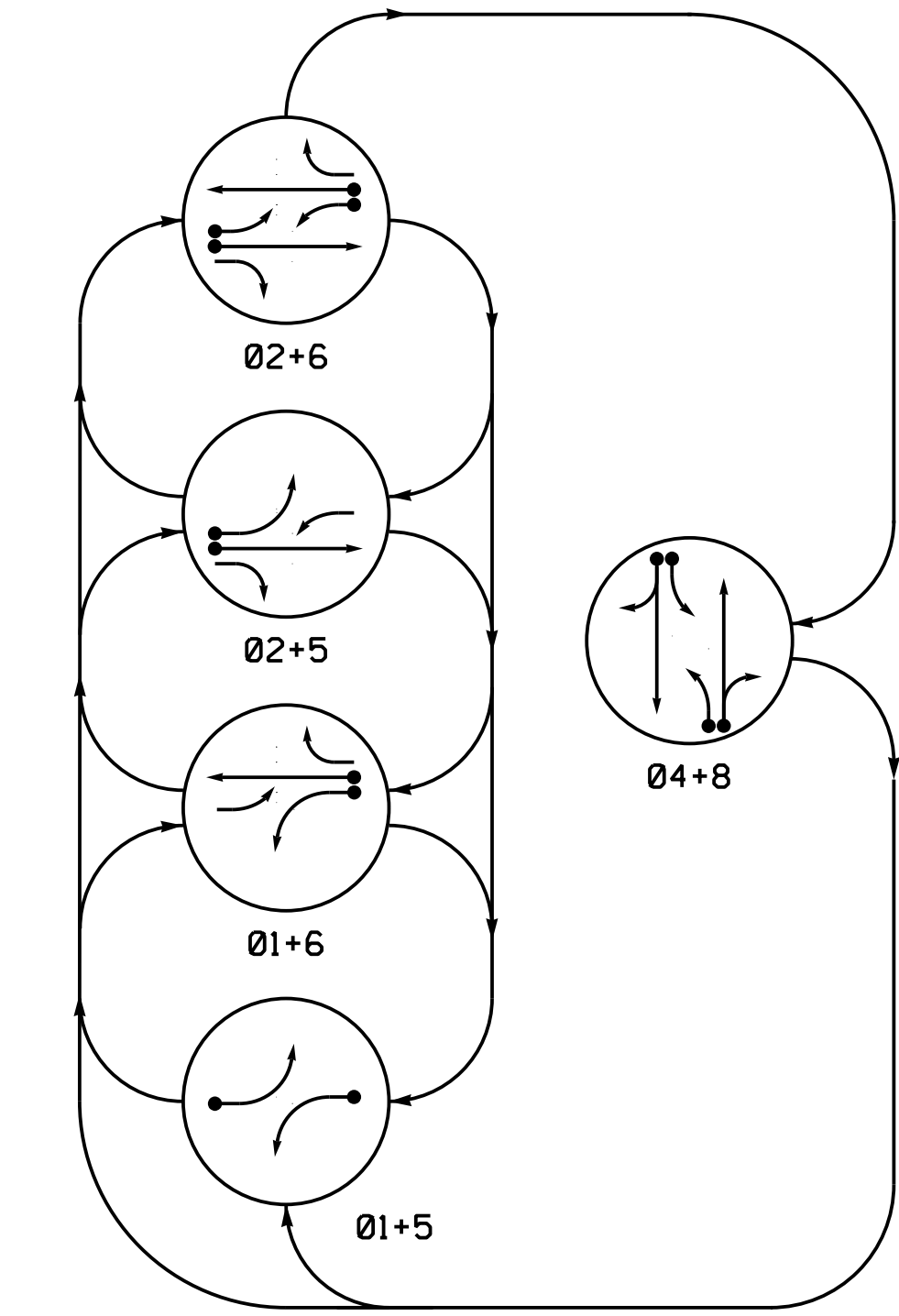
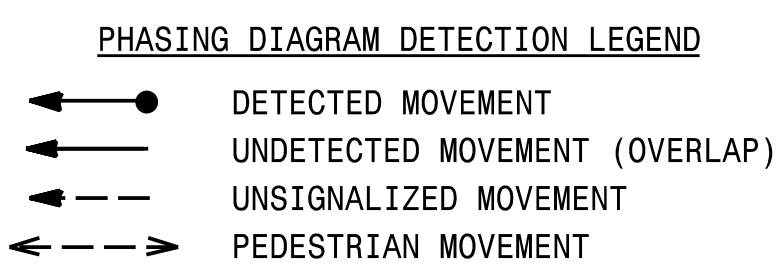
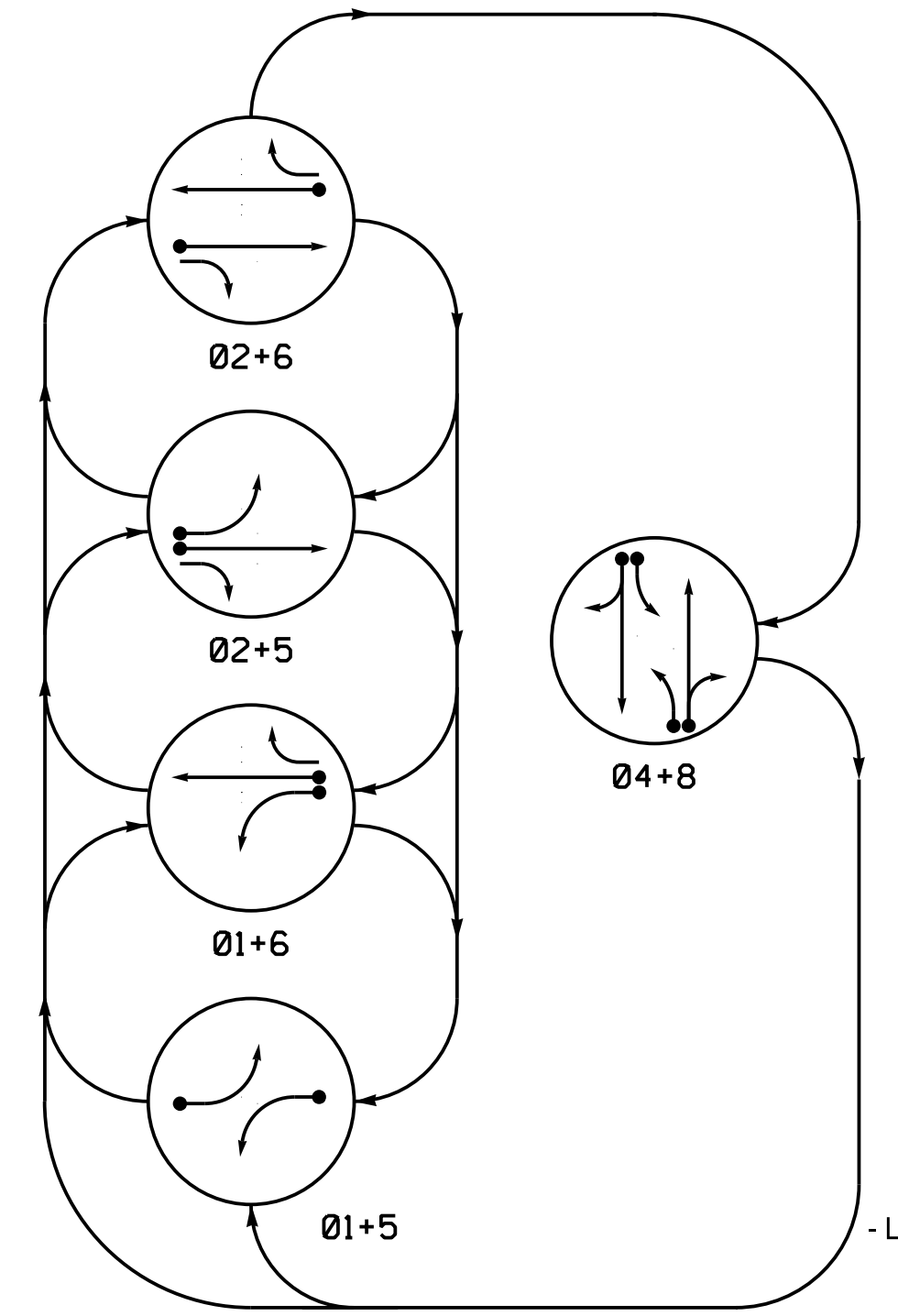


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F
11	-	-	-	-	-	-
21,22	R	R	G	G	R	Y
41	R	R	R	R	G	Y
42,43	R	R	R	R	G	R
51	-	-	-	-	-	-
61,62	R	G	R	G	R	Y
81	R	R	R	R	G	Y
82,83	R	R	R	R	G	R

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F
11	-	-	-	-	-	-
21,22	R	R	G	G	R	Y
41	R	R	R	R	G	Y
42,43	R	R	R	R	G	R
51	-	-	-	-	-	-
61,62	R	G	R	G	R	Y
81	R	R	R	R	G	Y
82,83	R	R	R	R	G	R

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

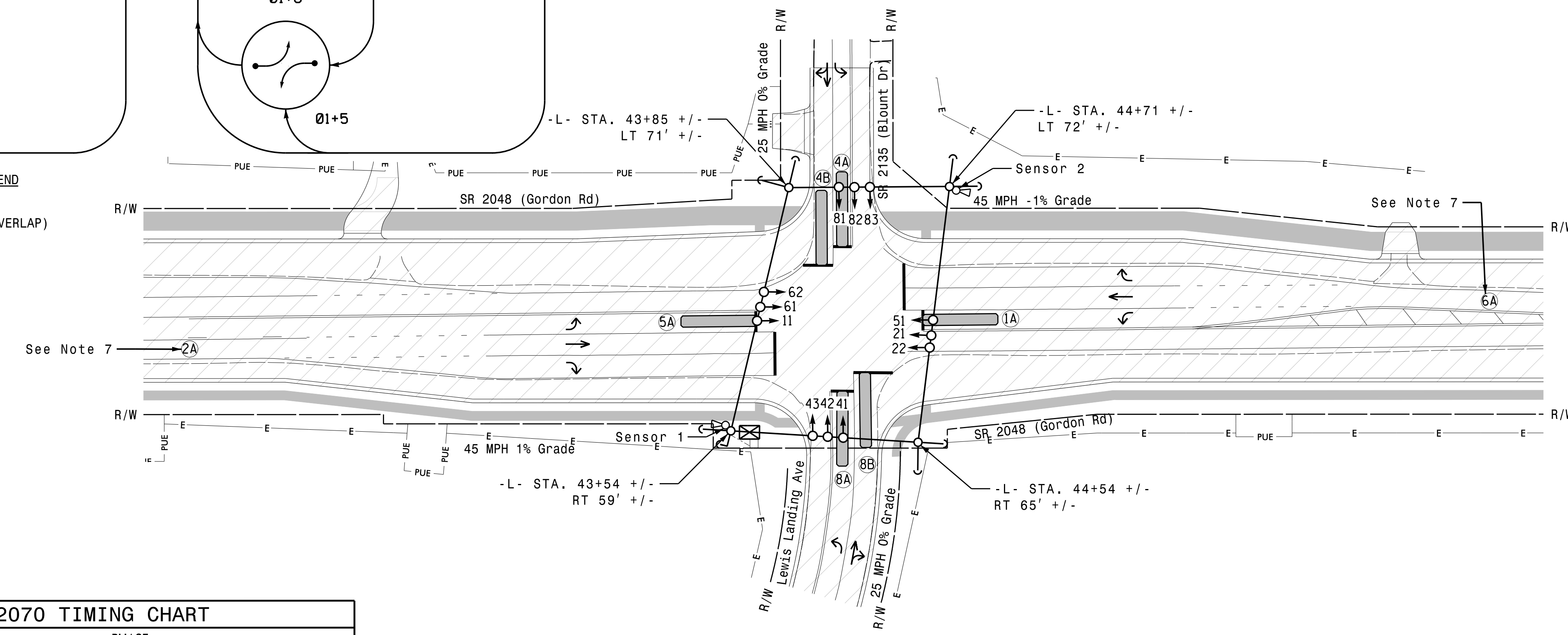
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
1A	6x40	0	*	*	1	Y	Y	-	15**	-	Y
4A	6x40	0	*	*	6#	Y	Y	-	-	-	Y
4B	6x40	0	*	*	4	Y	Y	-	3	-	Y
5A	6x40	0	*	*	5	Y	Y	-	15**	-	Y
8A	6x40	0	*	*	2#	Y	Y	-	-	-	Y
8B	6x40	0	*	*	8	Y	Y	-	3	-	Y
					8	Y	Y	-	10	-	Y

* Multizone Microwave Detection
 ** Reduce delay to 3 seconds during alternate phasing.
 # Disable phase call for loop(s) during alternate phasing.

5 Phase Fully Actuated Wilmington Signal System

NOTES

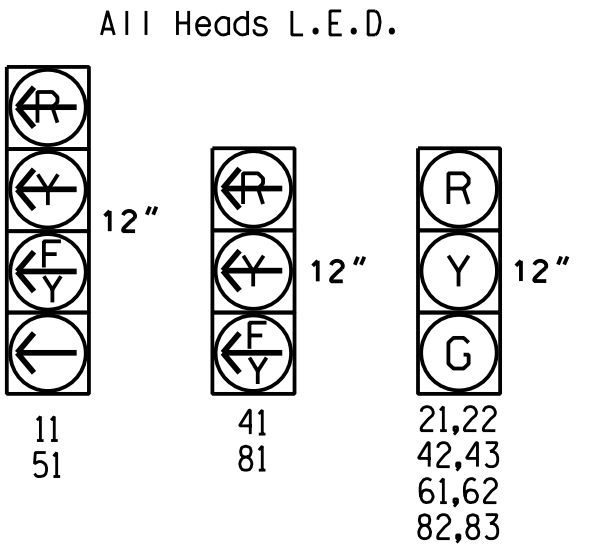
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multi-zone microwave detection. Install the detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data: Controller Asset #1139.



OASIS 2070 TIMING CHART

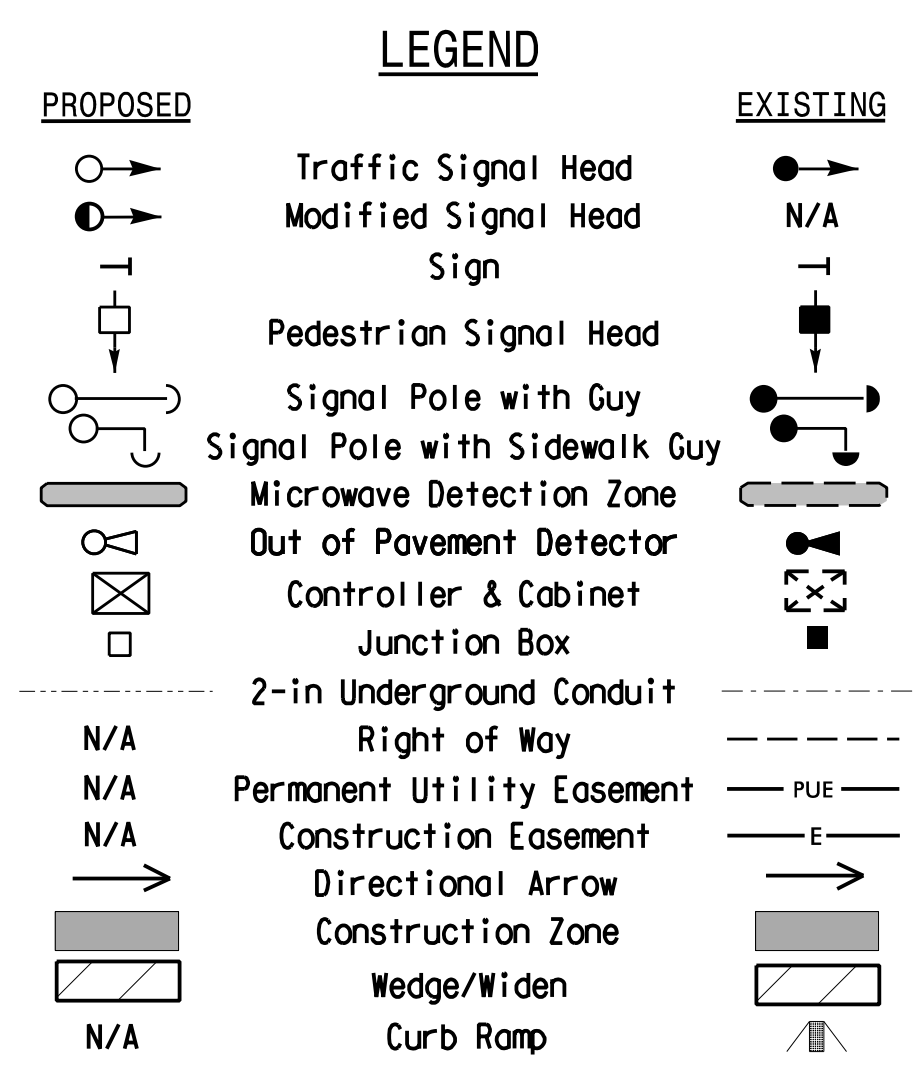
FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1*	5	12	5	5	12	5
Extension 1*	2.0	2.0	2.0	2.0	2.0	2.0
Max Green 1*	20	90	30	20	90	30
Yellow Clearance	3.0	4.6	3.2	3.0	4.6	3.2
Red Clearance	2.3	1.0	1.7	2.3	1.0	1.7
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1*	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-	-
Time To Reduce*	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON

SIGNAL FACE I.D.



RADAR DETECTION SYSTEM

FUNCTION	Sensor 1	Sensor 2
Channel	1	1
Phase	2	6
Direction of Travel	EB	WB
Detection Zone (ft)	100-600	100-600
Enable Speed	Y	Y
Speed Range (mph)	35-100	35-100
Enable Estimated Time of Arrival	Y	Y
Estimated Time of Arrival (sec)	2.5-6.5	2.5-6.5



Signal Upgrade-
 Temporary Design 1
 (Construction Phase 1)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 2048 (Gordon Rd) at SR 2135 (Blount Dr) / Lewis Landing Ave		
	Division 3 New Hanover County Wilmington PLAN DATE: May 2022 PREPARED BY: E.E. Tiller REVISIONS:	REVIEWED BY: N.K. Vianich REVIEWED BY: N.R. Simmons DATE:	

HNTB HNTB NORTH CAROLINA, P.C.
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* 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.