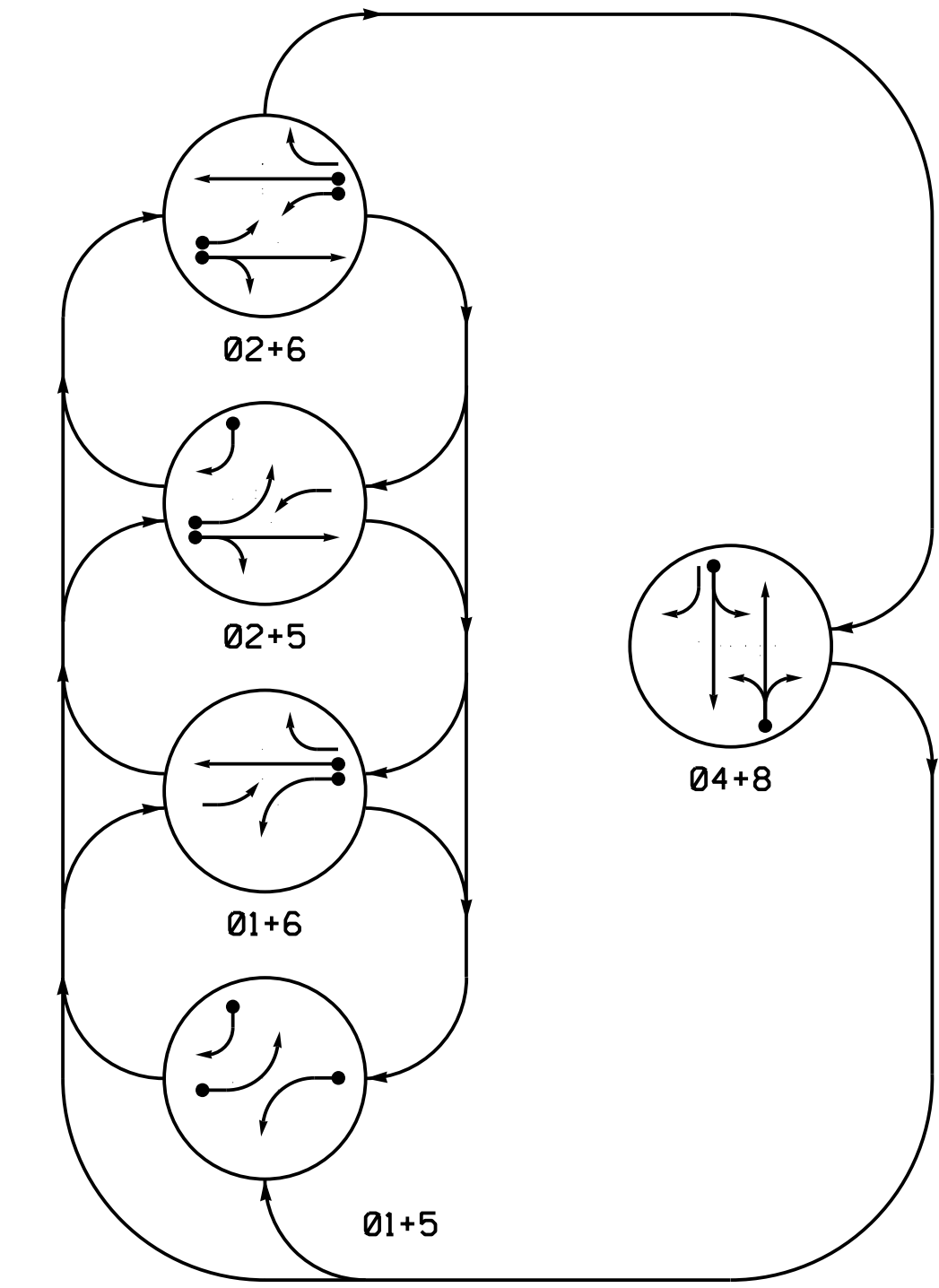
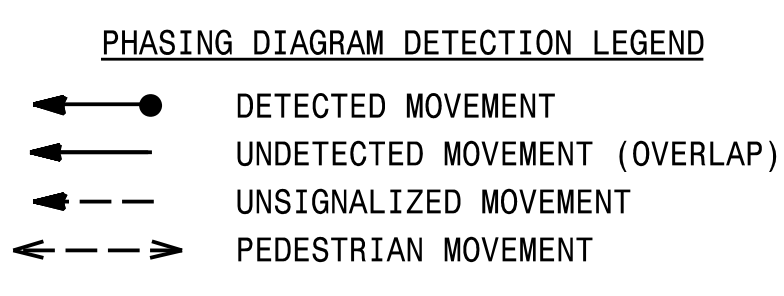
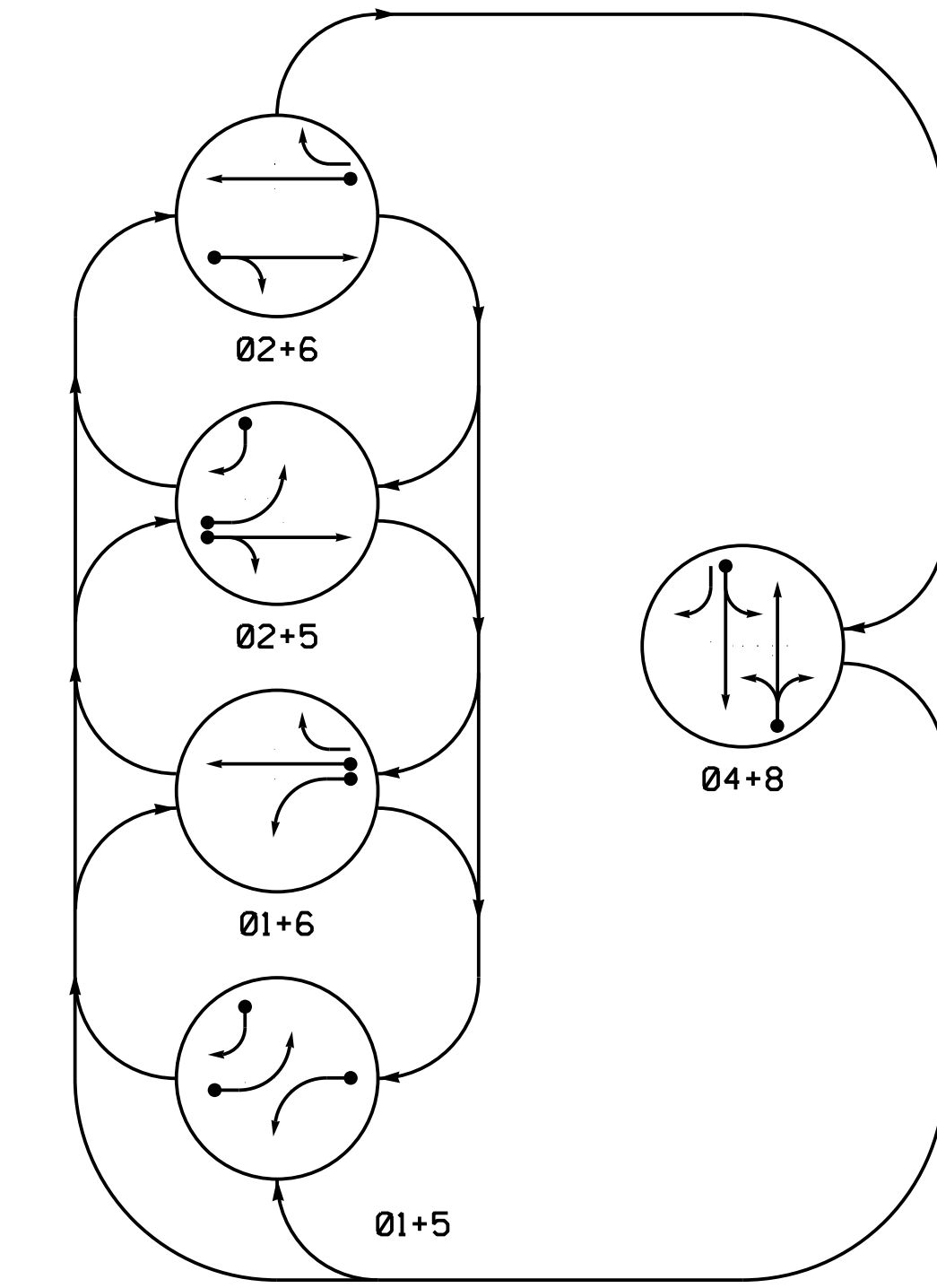


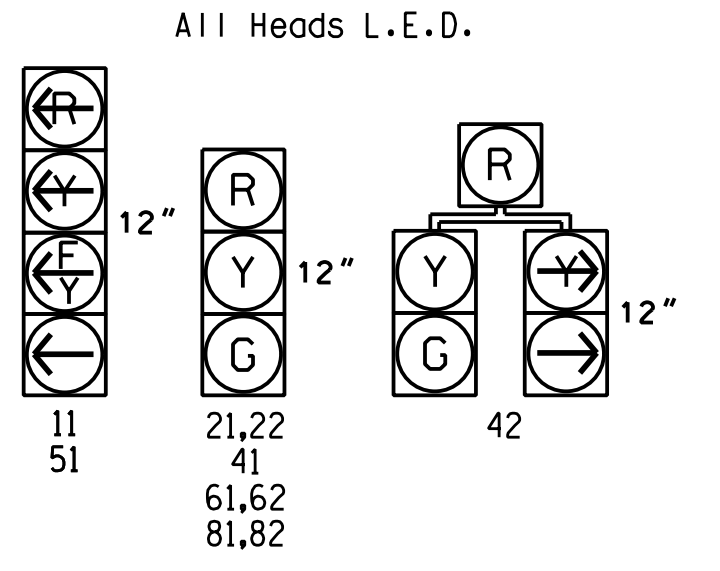
DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

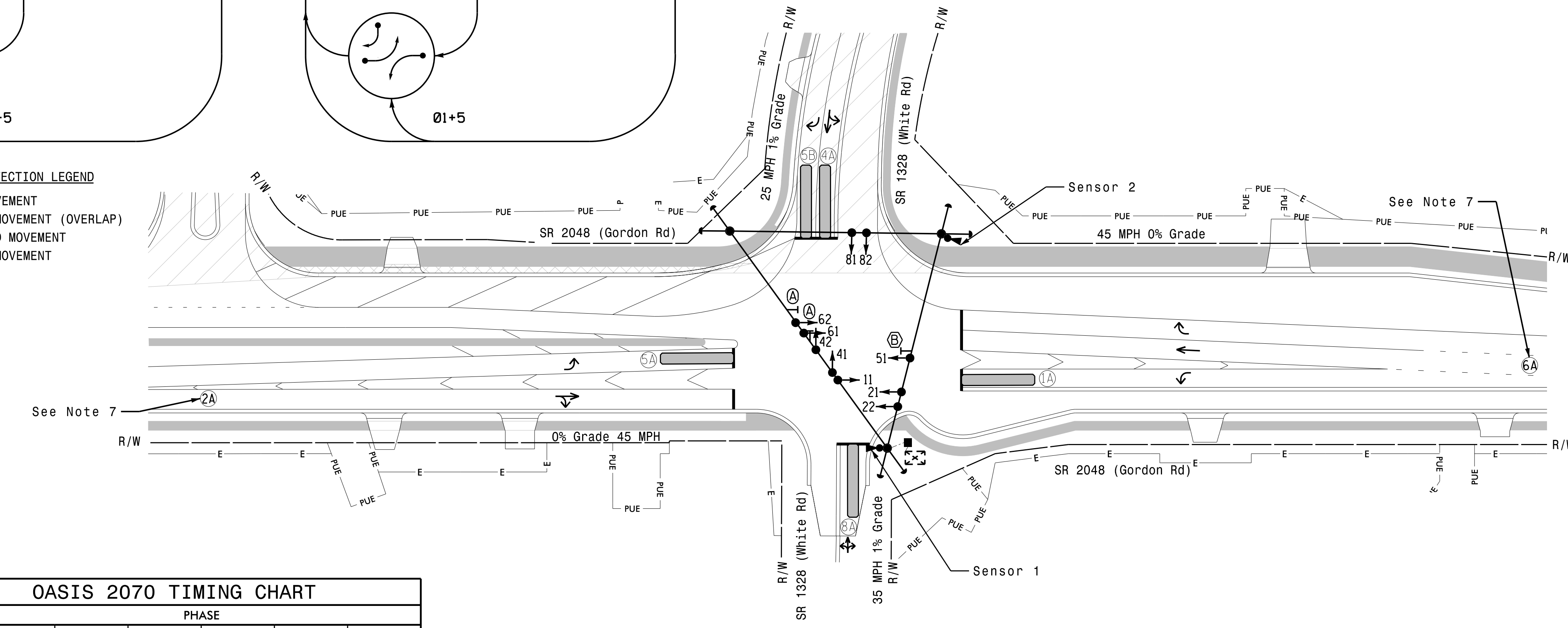
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
1A	6x40	0	*	*	1	Y	Y	-	15**	-	-
4A	6x40	0	*	*	6#	Y	Y	-	3	-	-
5A	6x40	0	*	*	4	Y	Y	-	3	-	-
5B	6x40	0	*	*	5	Y	Y	-	15**	-	-
8A	6x40	0	*	*	2#	Y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

* 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.
- Reposition existing signal heads numbered 11, 21, 22, 41, 42, 51, 61, and 62 and existing sign (A).
- Set all detector units to presence mode.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multi-zone microwave detection. Install 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 #0893.



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	20	20	90	20
Yellow Clearance	3.0	4.5	3.1	3.0	4.5	3.8
Red Clearance	2.6	1.5	3.0	2.4	1.5	1.6
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

* 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.

RADAR DETECTION SYSTEM

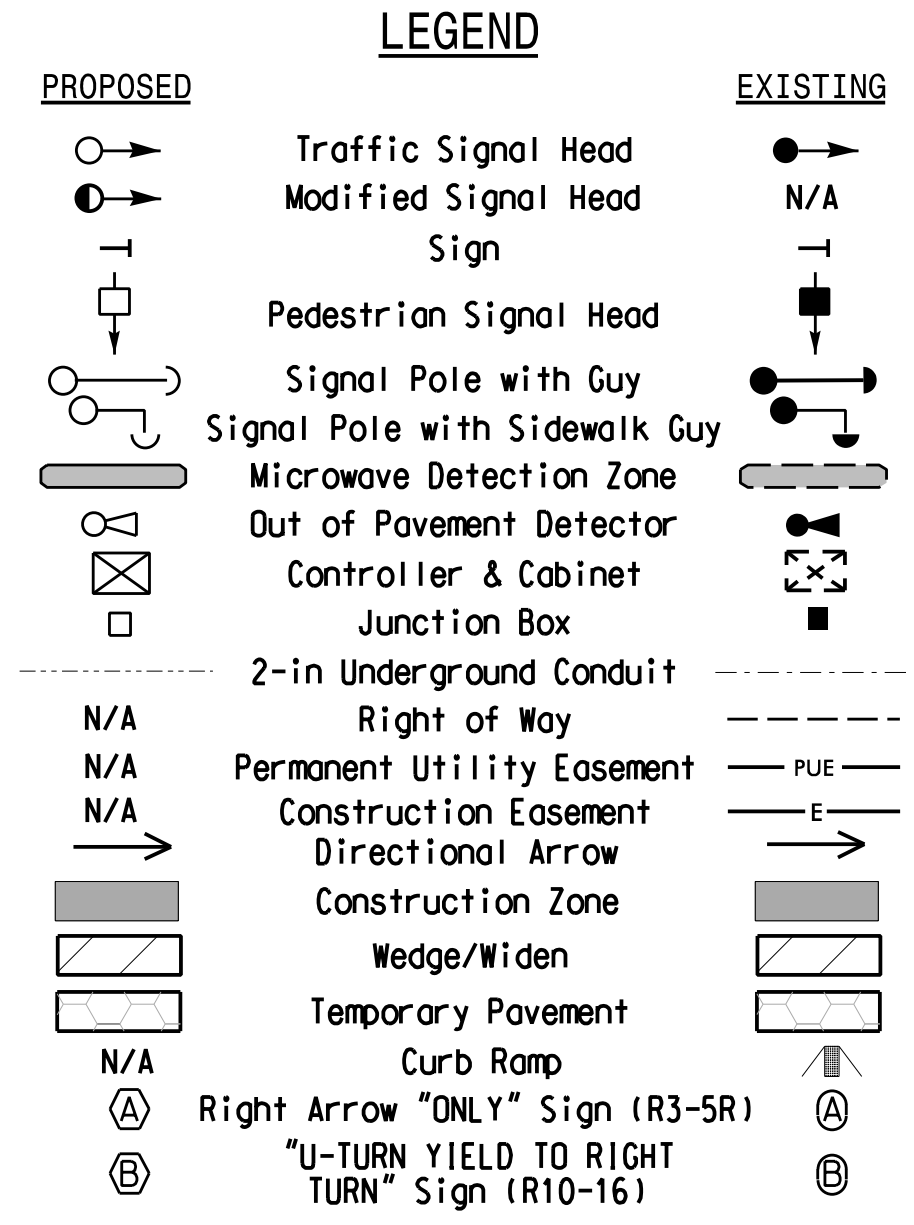
FUNCTION	Sensor 1	Sensor 2
Channel	1	1
Phase	2	6
Direction of Travel	EB	WB
Detection Zone (ft)	100-600	100-600
Enable Speed	Y	Y
Speed Range (mph)	35-100	35-100
Enable Estimated Time of Arrival	Y	Y
Estimated Time of Arrival (sec)	2.5-6.5	2.5-6.5

DEFAULT PHASING TABLE OF OPERATION

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

ALTERNATE PHASING TABLE OF OPERATION

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



Signal Upgrade-
 Temporary Design 2
 (Construction Phase 2A)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 2048 (Gordon Rd) at SR 1328 (White Rd)		SEAL
	Division 3 New Hanover County Wilmington PLAN DATE: May 2022 PREPARED BY: E.E. Tiller SCALE: 1"=40'	REVIEWED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons DATE: 5/17/2024	