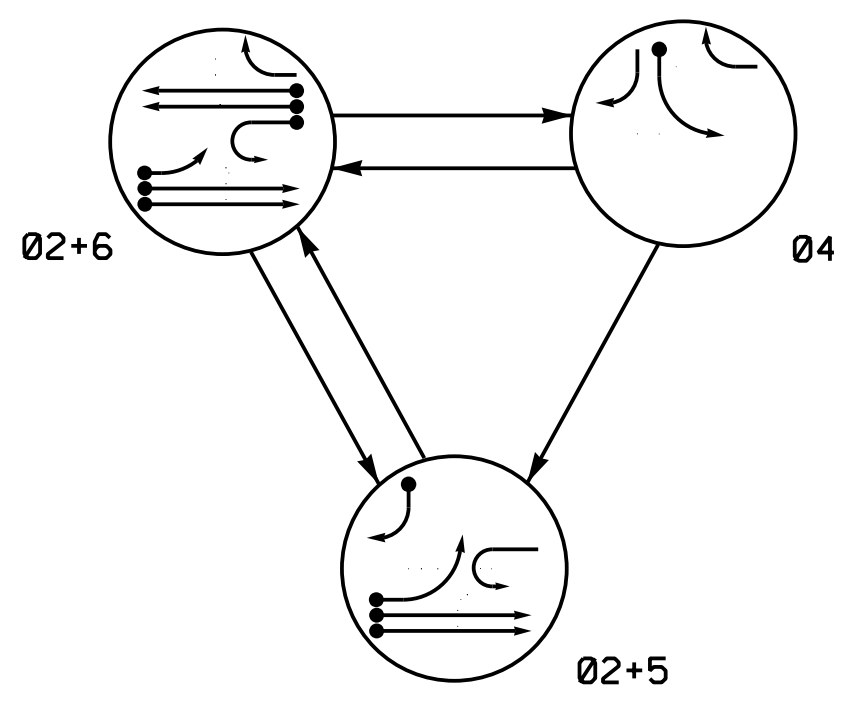
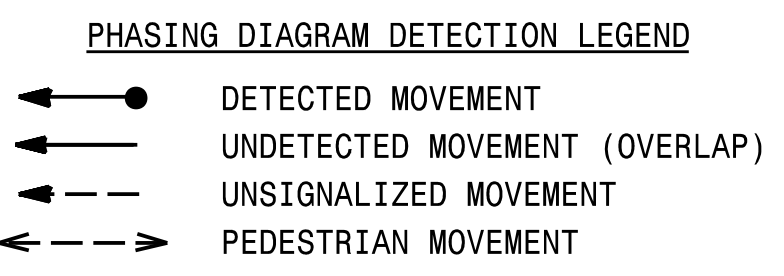
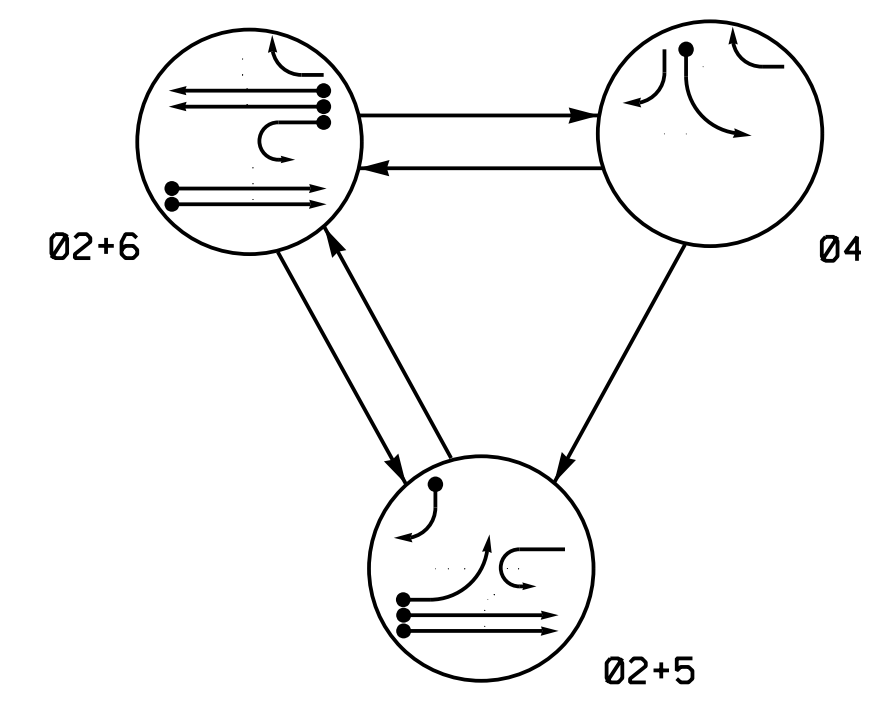


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	0 2 + 5	0 2 + 6	0 4	F I C O N
21,22	G	G	R	Y
41,43	R	R	Y	R
42	F	R	F	R
51	F	F	R	Y
61	F	F	R	Y
62	R	G	R	Y
63	R	G	R	Y

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	0 2 + 5	0 2 + 6	0 4	F I C O N
21,22	G	G	R	Y
41,43	R	R	Y	R
42	F	R	F	R
51	F	F	R	Y
61	F	F	R	Y
62	R	G	R	Y
63	R	G	R	Y

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

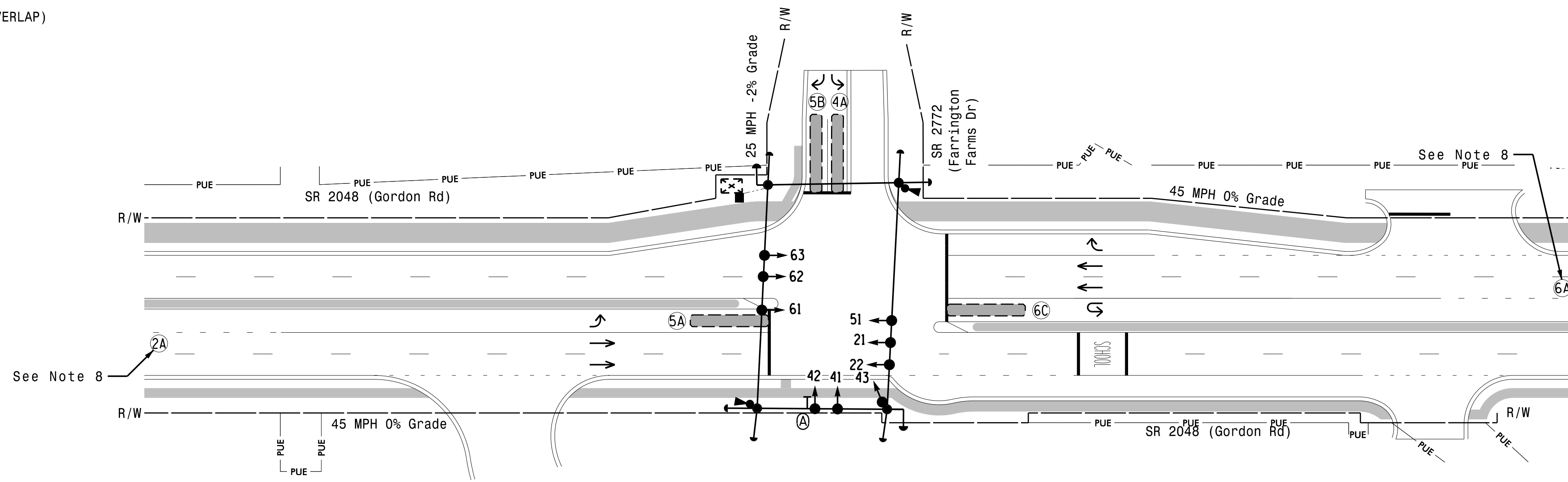
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X40	0	*	*	4	Y	Y	-	-	-	-	-
5A	6X40	0	*	*	5	Y	Y	-	-	15**	-	-
5B	6X40	0	*	*	5	Y	Y	-	-	15	-	Y
6C	6X40	0	*	*	6	Y	Y	-	-	-	-	Y

* Multizone Microwave Detection
 ** Disable Delay During Alternate Phasing Operation.
 # Disable phase call for loop(s) during alternate phasing.

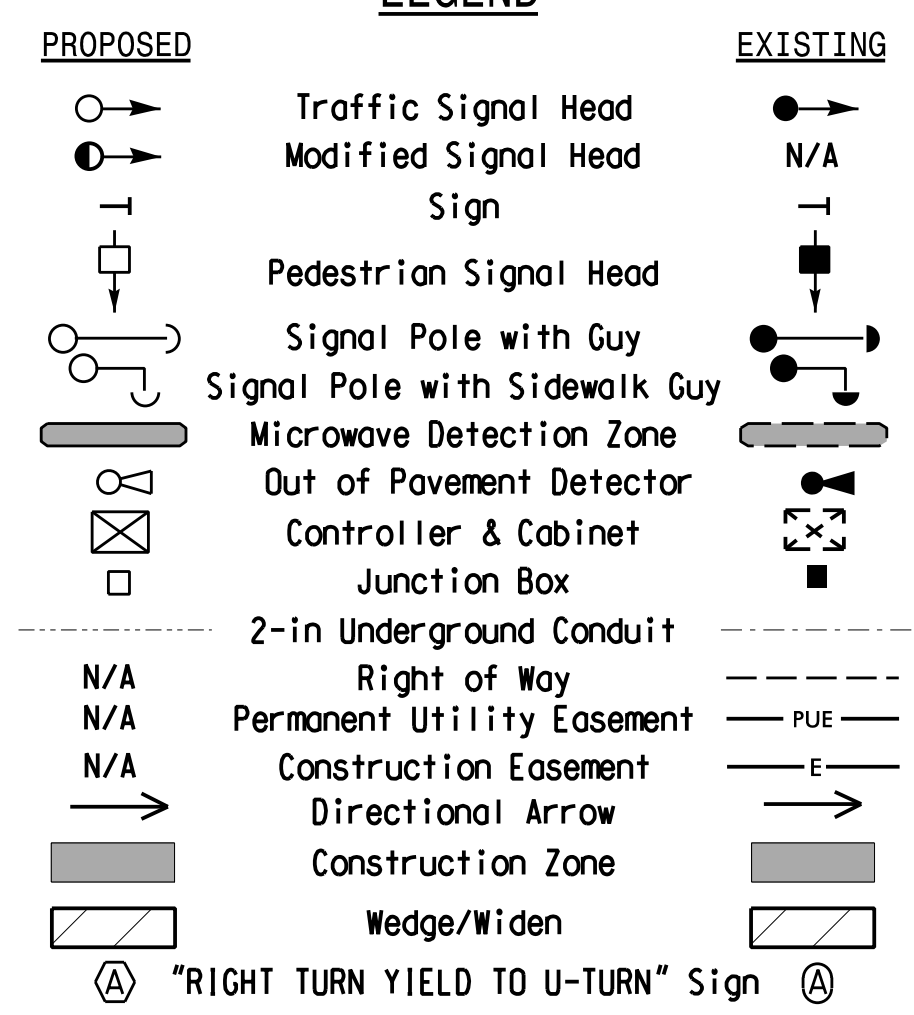
3 Phase Fully Actuated Wilmington Signal System

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 5 may be lagged.
- Renumber loop 6B to 6C.
- Reposition existing signal heads numbered 62 and 63.
- 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 #1216.



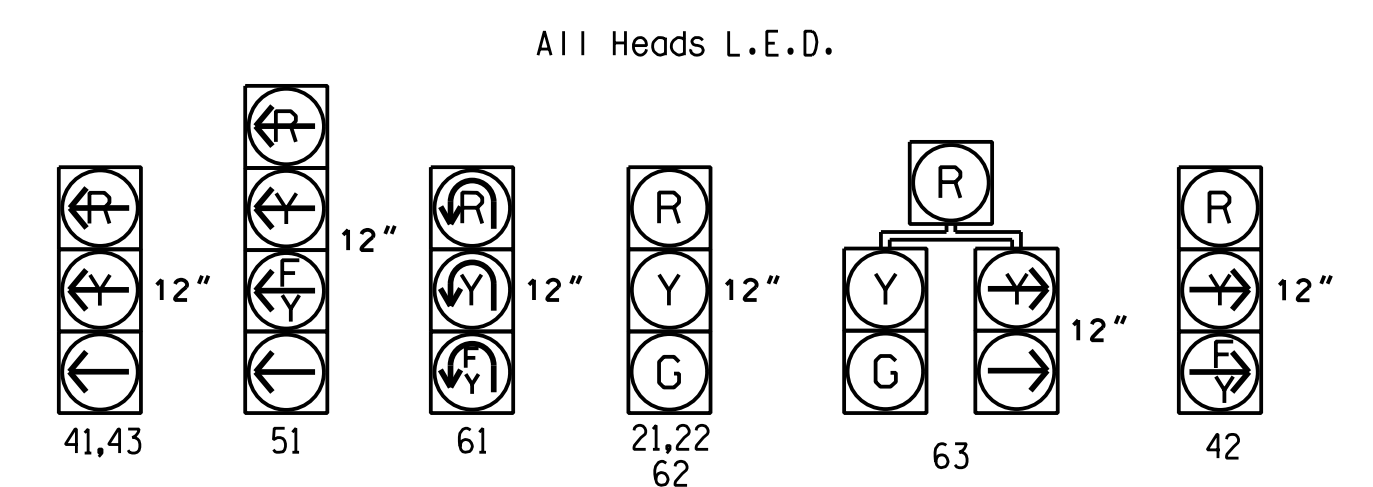
LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	5	5	12
Extension 1 *	2.0	2.0	2.0	2.0
Max Green 1 *	90	30	20	90
Yellow Clearance	4.5	3.0	3.0	4.5
Red Clearance	1.5	3.2	2.4	1.5
Red Revert	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	-	-	-	-
Simultaneous Gap	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)	1.0-6.5	1.0-6.5

Signal Upgrade-
 Temporary Design 2
 (Construction Phase 3)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 2048 (Gordon Rd) at SR 2772 (Farrington Farms Dr)		SEAL
	Division 3 New Hanover County Wilmington PLAN DATE: May 2022 REVIEWED BY: N.K. Vlanich PREPARED BY: E.E. Tiller REVIEWED BY: N.R. Simmons	SEAL 	
750 N. Greenfield Pkwy, Corner, NC 27529 HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997	SCALE 0 40 1" = 40'		REVISIONS INIT. DATE N. Asha R. Simmons 5/17/2024 DATE SIG. INVENTORY NO. 03-1216T2