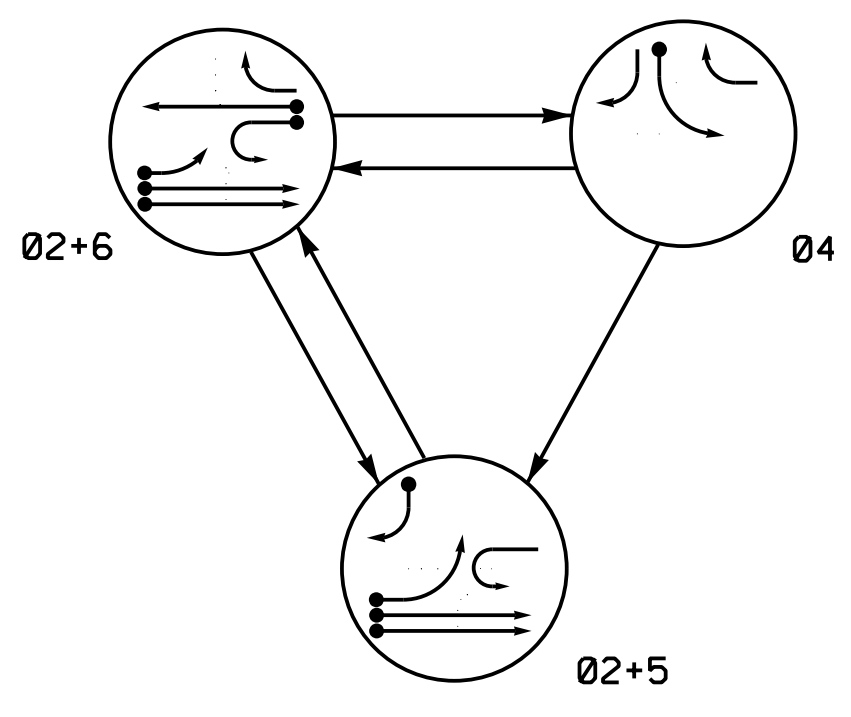
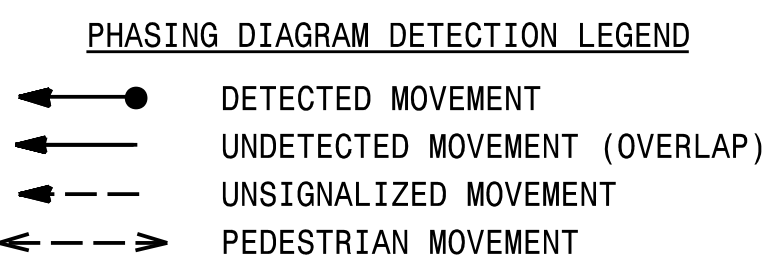
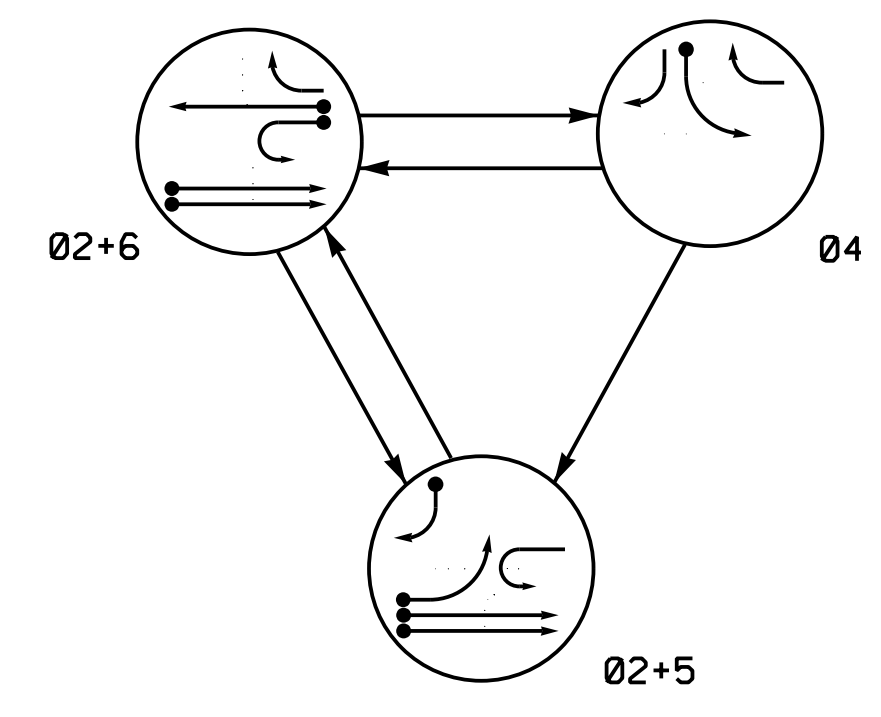


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21,22	G	G	R	Y
41,43	R	R	F	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			
	02+5	02+6	04	F
21,22	G	G	R	Y
41,43	R	R	F	R
51	F	R	F	R
61	F	F	R	Y
62	R	G	R	Y
63	R	G	R	Y

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

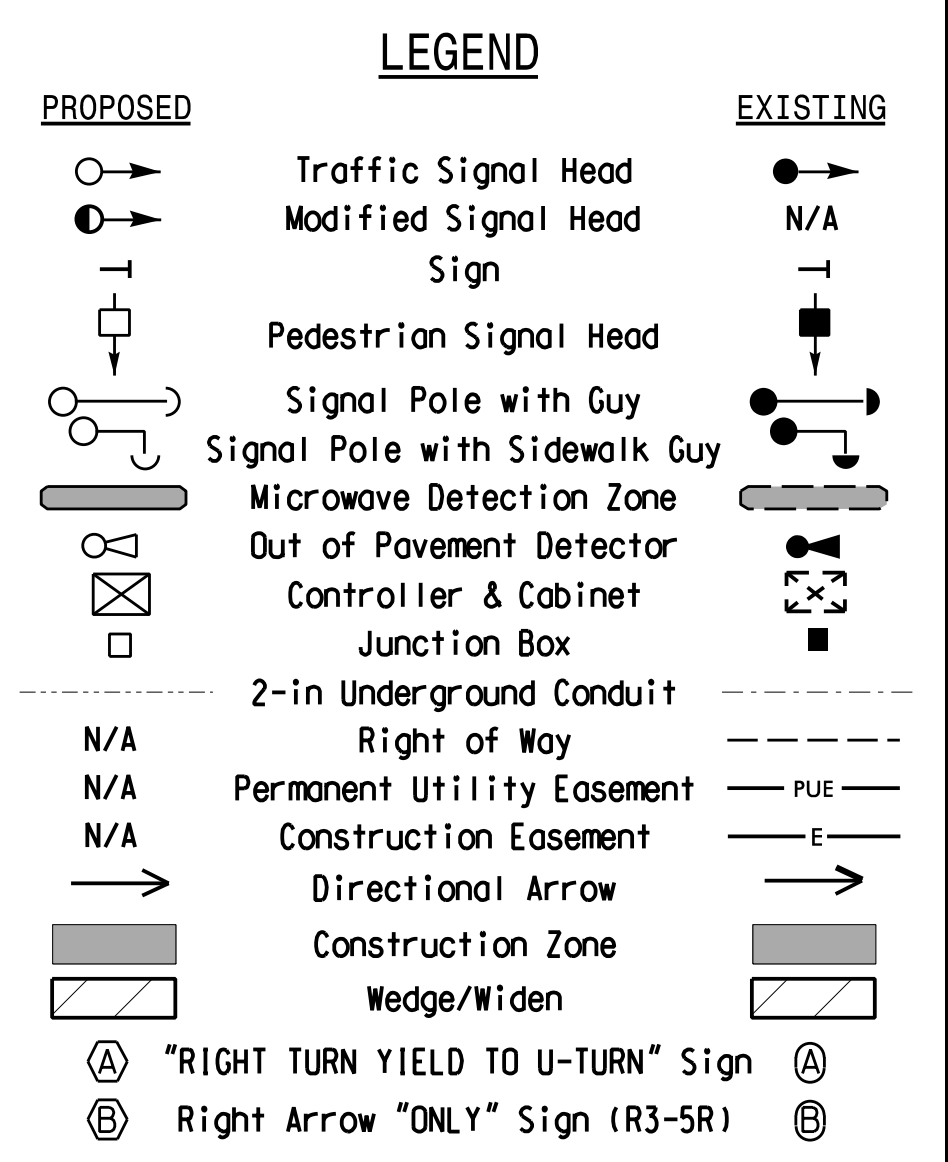
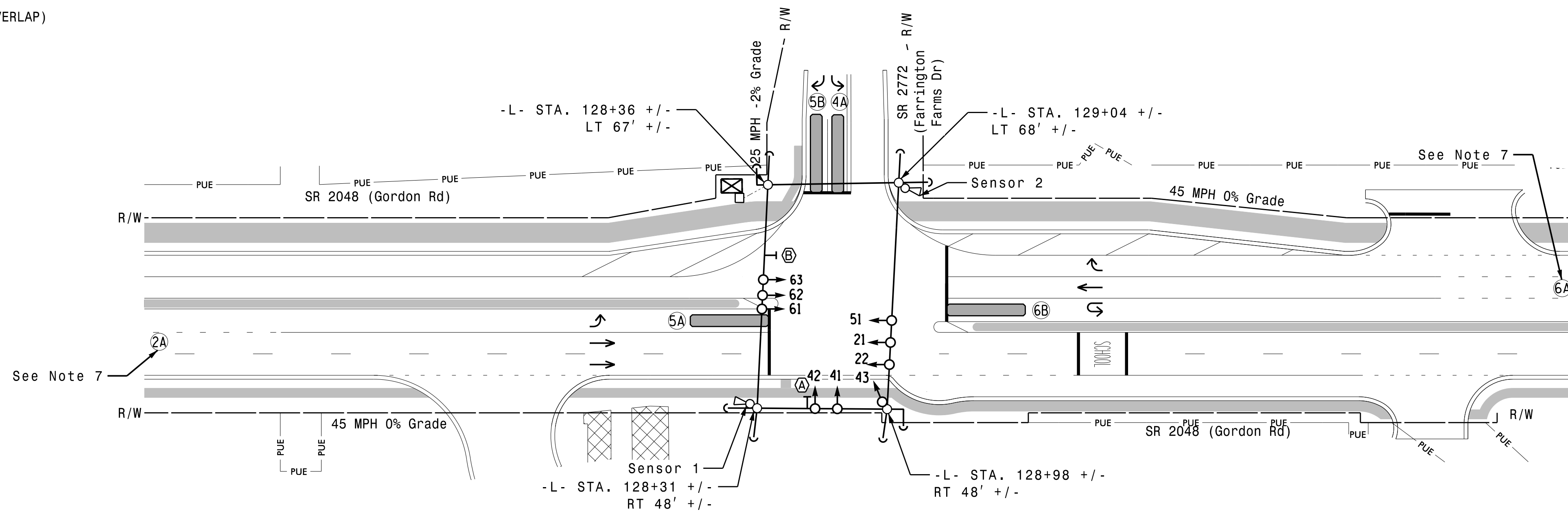
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
4A	6X40	0	*	*	4	Y	Y	-	-	-	-	Y
5A	6X40	0	*	*	5	Y	Y	-	-	15**	-	Y
5B	6X40	0	*	*	5	Y	Y	-	-	15	-	Y
6B	6X40	0	*	*	6	Y	Y	-	-	-	-	Y

* 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

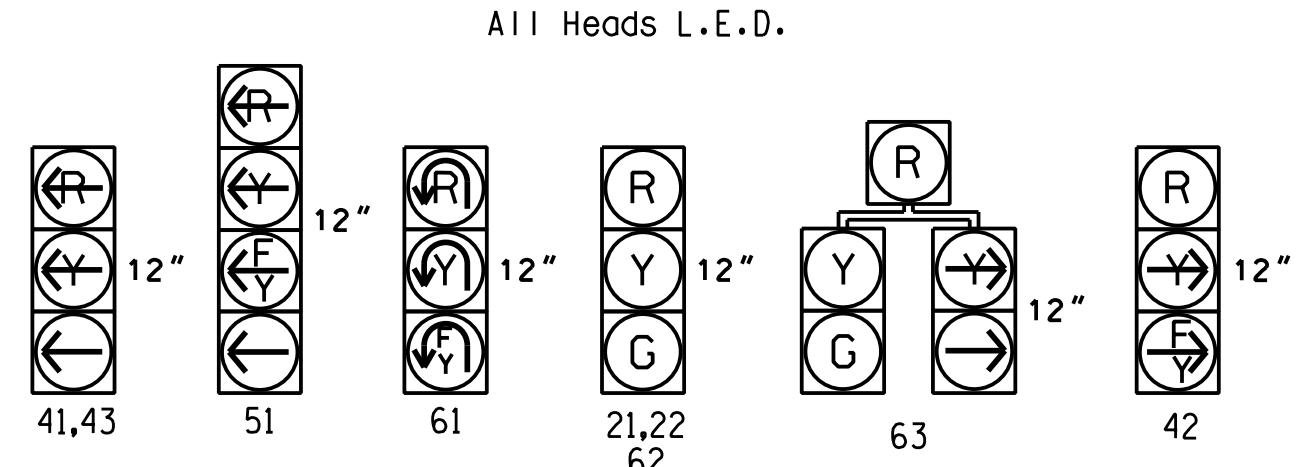
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as to not 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 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.



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	2.1	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	2.5-6.5

New Installation-
 Temporary Design 1
 (Construction Phase 2A)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 2048 (Gordon Rd) at SR 2772 (Farrington Farms Dr)		
	Division 3 New Hanover County Wilmington PLAN DATE: May 2022 PREPARED BY: E.E. Tiller	REVIEWED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	
SCALE 0 40 1"=40'		REVISIONS INIT. DATE	

* 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.