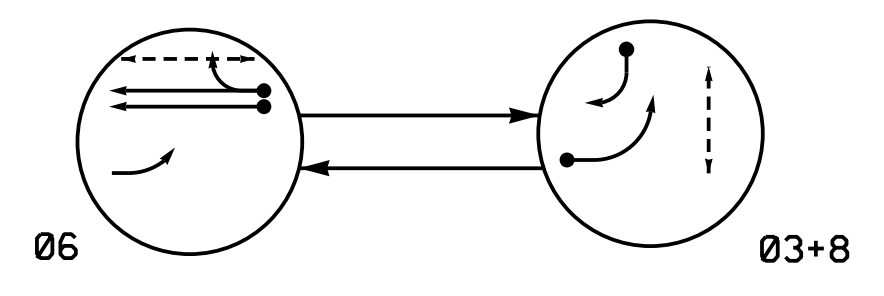
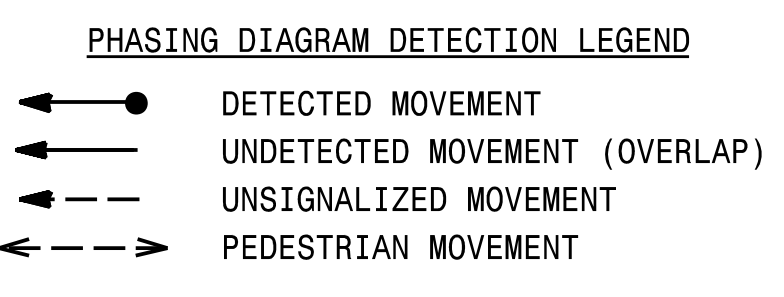
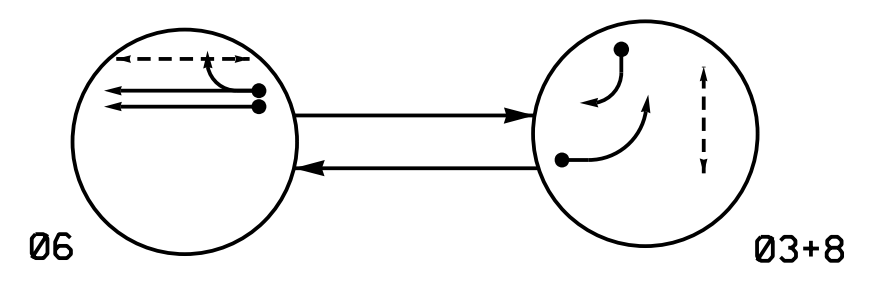


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	F L E
31,32,33	Y	Y	Y
61,62	G	R	Y
81,82,83	R	Y	R
P61,P62	W	DW	DRK
P81,P82	DW	W	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	F L E
31,32,33	R	Y	Y
61,62	G	R	Y
81,82,83	R	Y	R
P61,P62	W	DW	DRK
P81,P82	DW	W	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

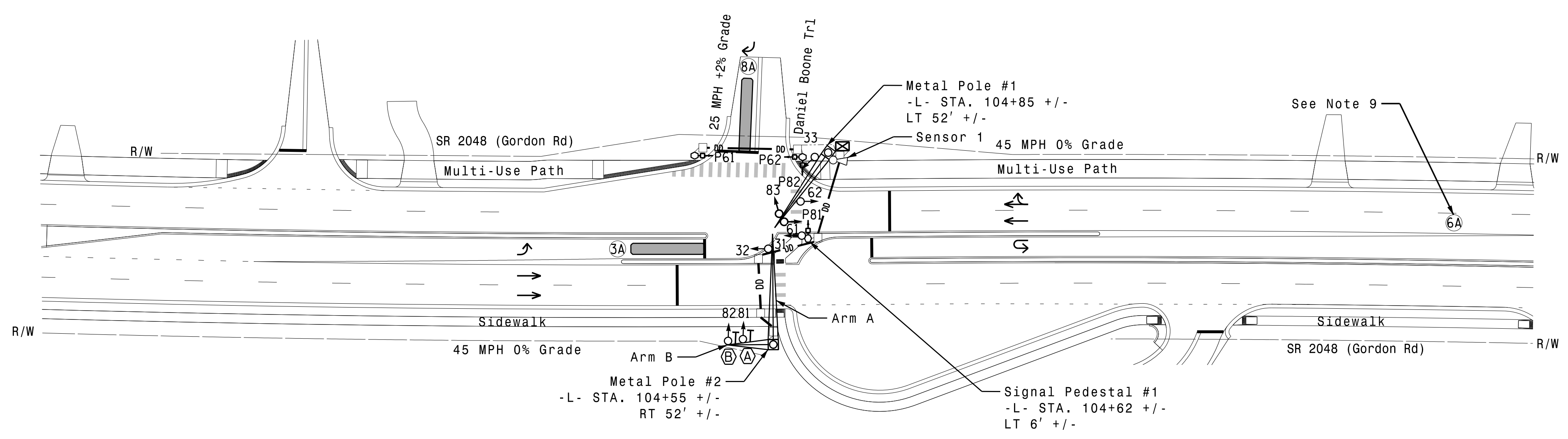
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING								
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
3A	6X40	0	*	*	3	Y	Y	-	-	10**	-	Y
8A	6X40	0	*	*	6#	Y	Y	-	-	15	-	Y

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

2 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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- All pedestrian pushbuttons shall be located in the field by the Division Traffic Engineer before installation.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multizone 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 #1232.



OASIS 2070 TIMING CHART

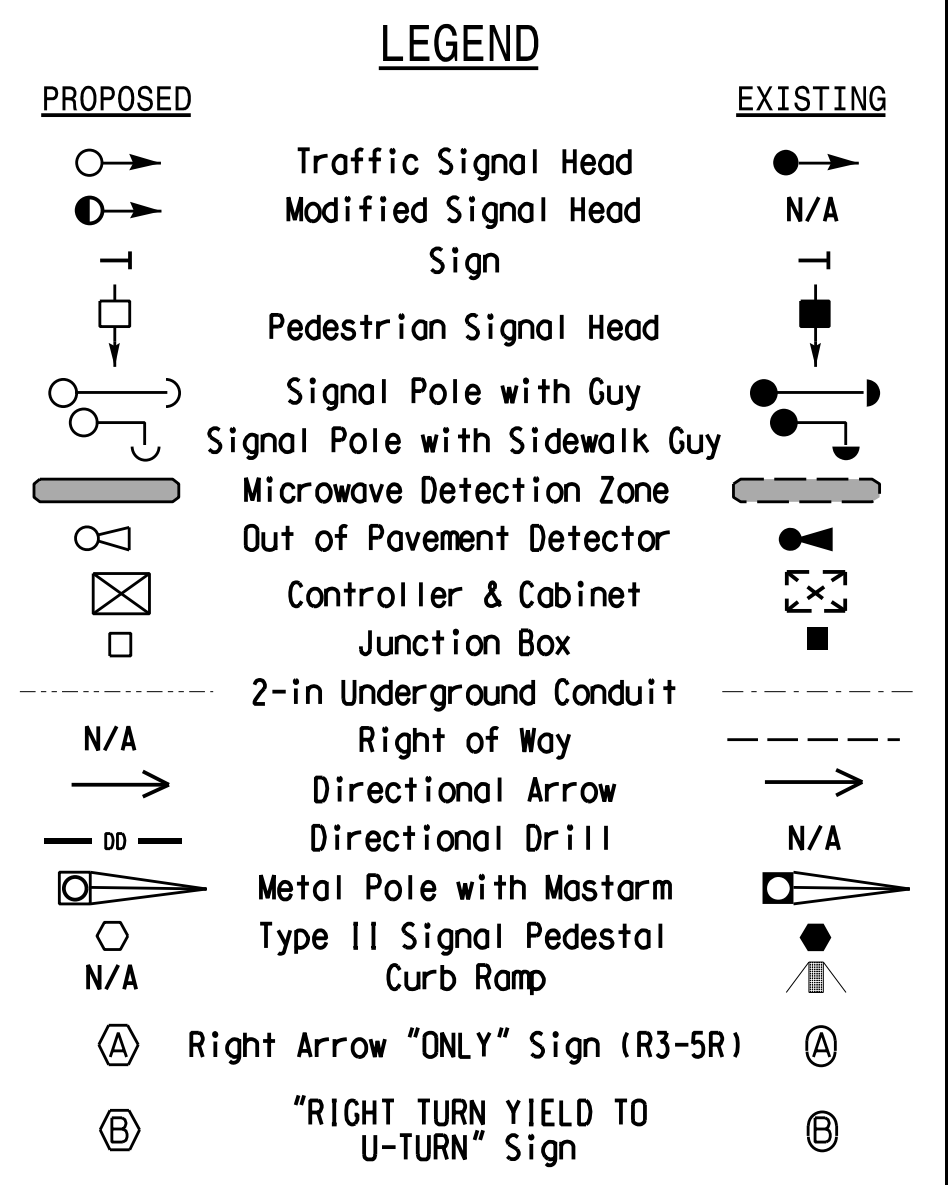
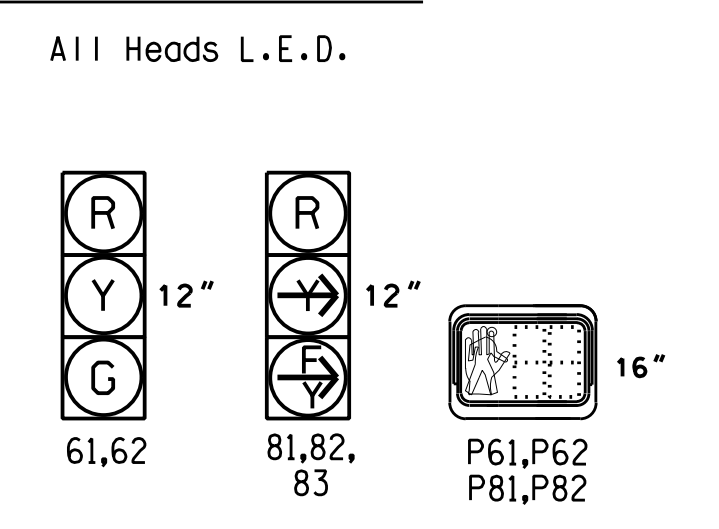
FEATURE	PHASE		
	3	6	8
Min Green 1 *	5	12	5
Extension 1 *	2.0	2.0	2.0
Max Green 1 *	20	90	20
Yellow Clearance	3.0	4.5	3.0
Red Clearance	1.9	1.5	1.9
Red Revert	2.0	2.0	2.0
Walk 1 *	7	7	7
Don't Walk 1	7	13	7
Advanced Walk *	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-
Dual Entry	ON	-	ON
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.

RADAR DETECTION SYSTEM

FUNCTION	Sensor 1
Channel	1
Phase	6
Direction of Travel	WB
Detection Zone (ft)	100-600
Enable Speed	Y
Speed Range (mph)	35-100
Enable Estimated Time of Arrival	Y
Estimated Time of Arrival (sec)	1.0-6.5

SIGNAL FACE I.D.



New Installation

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 2048 (Gordon Rd) Westbound at Daniel Boone Trl		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 03464 NASHA R. SIMMONS
	Division 3 New Hanover County Wilmington PLAN DATE: May 2022 PREPARED BY: E.E. Tiller SCALE: 0 40 1"=40'	REVIEWED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons DATE: 5/17/2024	

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