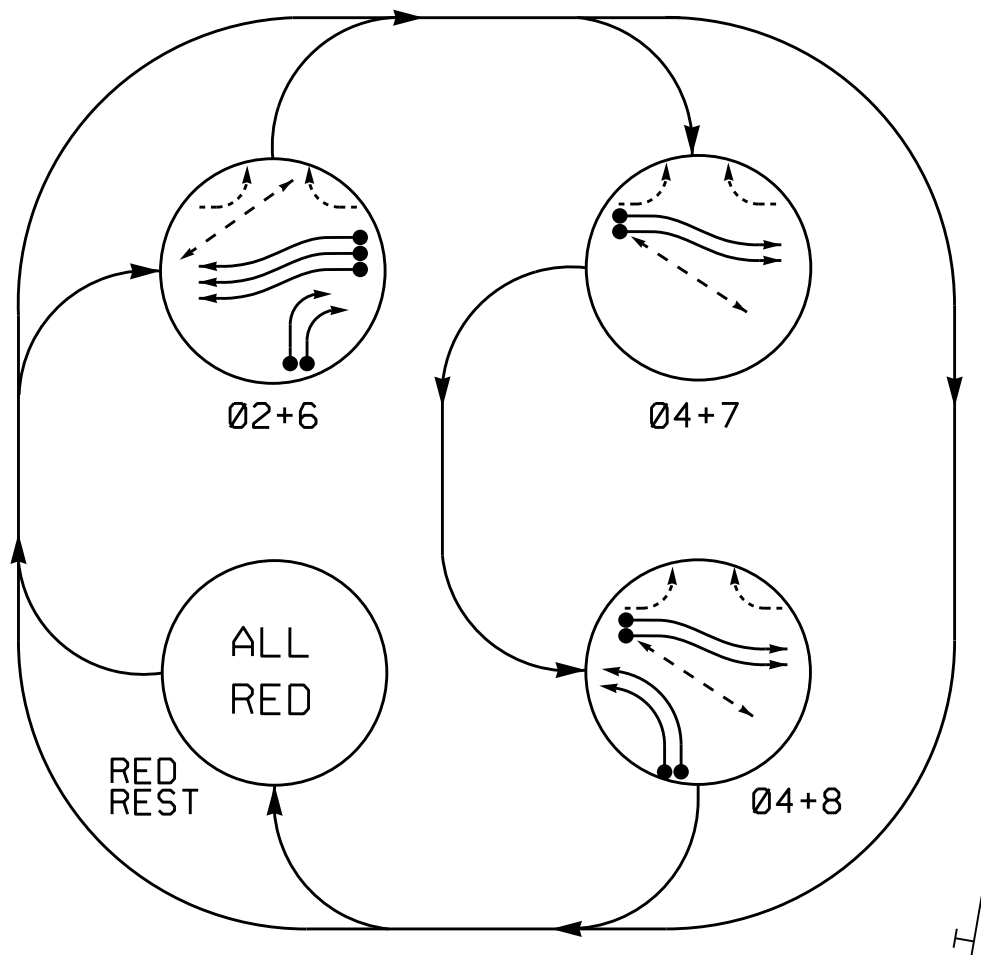


PHASING DIAGRAM



SIGNAL FACE I.D.

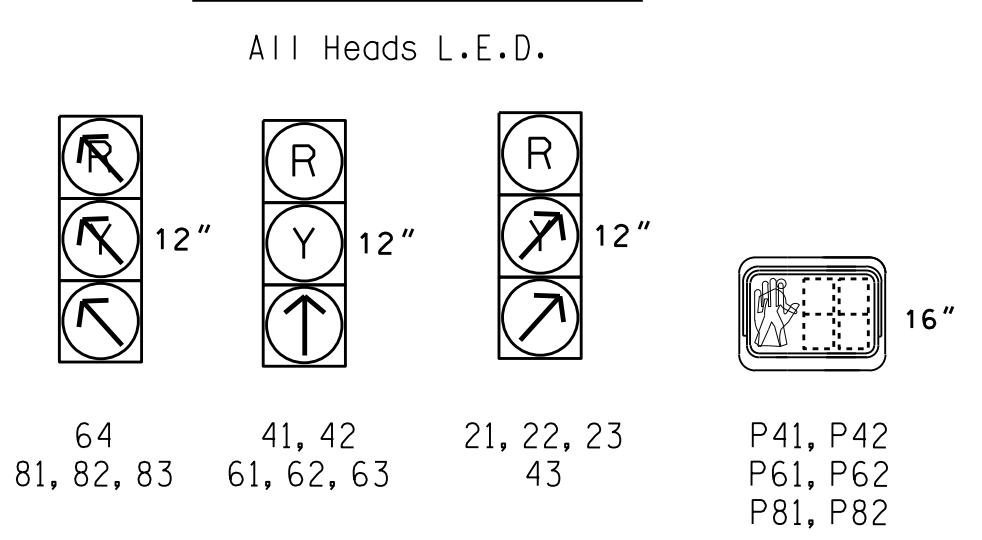


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	0 2 + 6	0 4 + 7	0 4 + 8	D	L	S	H	F
21, 22, 23	✓	R	R	R	R			
41, 42	R	↑	↑	R	R			
43	R	✓	✓	R	R			
61, 62, 63	↑	✓	✓	R	R			
64	✓	✓	✓	✓	✓			
81, 82, 83	✓	✓	✓	✓	✓			
P41, P42	DW	W	W	DW	DRK			
P61, P62	W	DW	DW	DW	DRK			
P81, P82	DW	DW	W	DW	DRK			

W - Walk
DW - Don't Walk
DRK - Dark

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

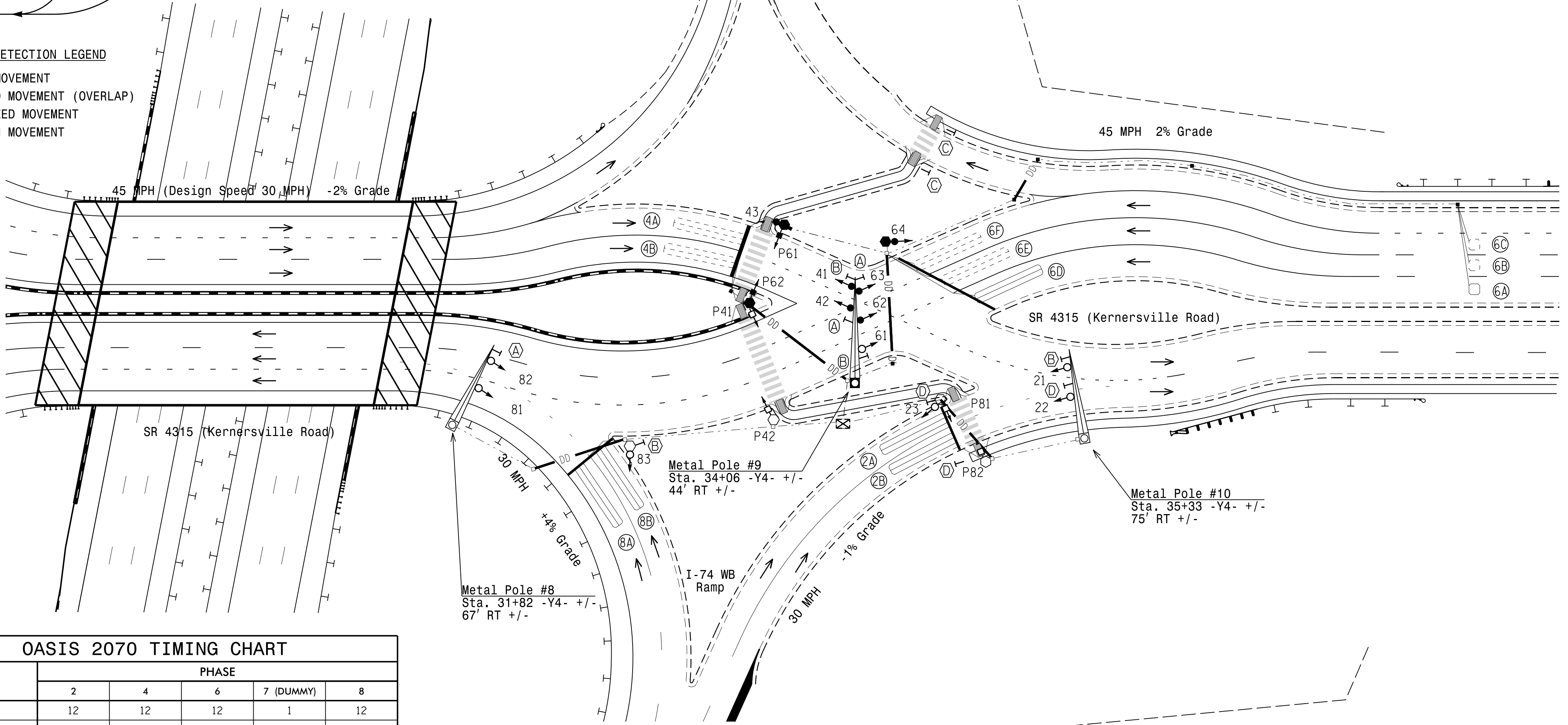
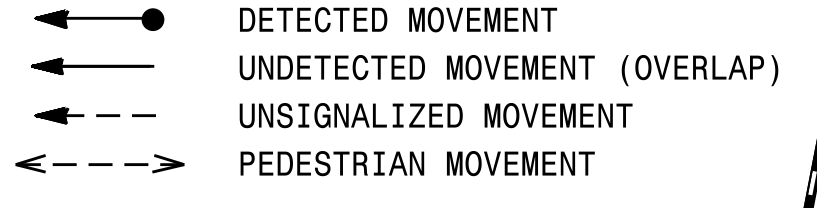
ZONE	INDUCTIVE LOOPS				DETECTOR PROGRAMMING						
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	LOOP SYSTEM	NEW CARD
2A	6X40	0	2-4-2	Y	2	Y	Y	-	-	-	Y
2B	6X40	0	2-4-2	Y	2	Y	Y	-	-	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-
6A	6X6	300	4	Y	6	Y	Y	-	-	-	Y
6B	6X6	300	4	-	6	Y	Y	-	-	-	-
6C	6X6	300	4	-	6	Y	Y	-	-	-	-
6D	6X40	0	2-4-2	Y	6	Y	Y	Y	2.0	5	-
6E	6X40	0	2-4-2	-	6	Y	Y	Y	2.0	5	-
6F	6X40	0	2-4-2	-	6	Y	Y	Y	2.0	5	-
8A	6X40	0	2-4-2	Y	7/8	Y	Y	-	-	-	Y
8B	6X40	0	2-4-2	Y	7/8	Y	Y	-	-	-	Y

3 Phase Fully Actuated (Winston-Salem Signal System)

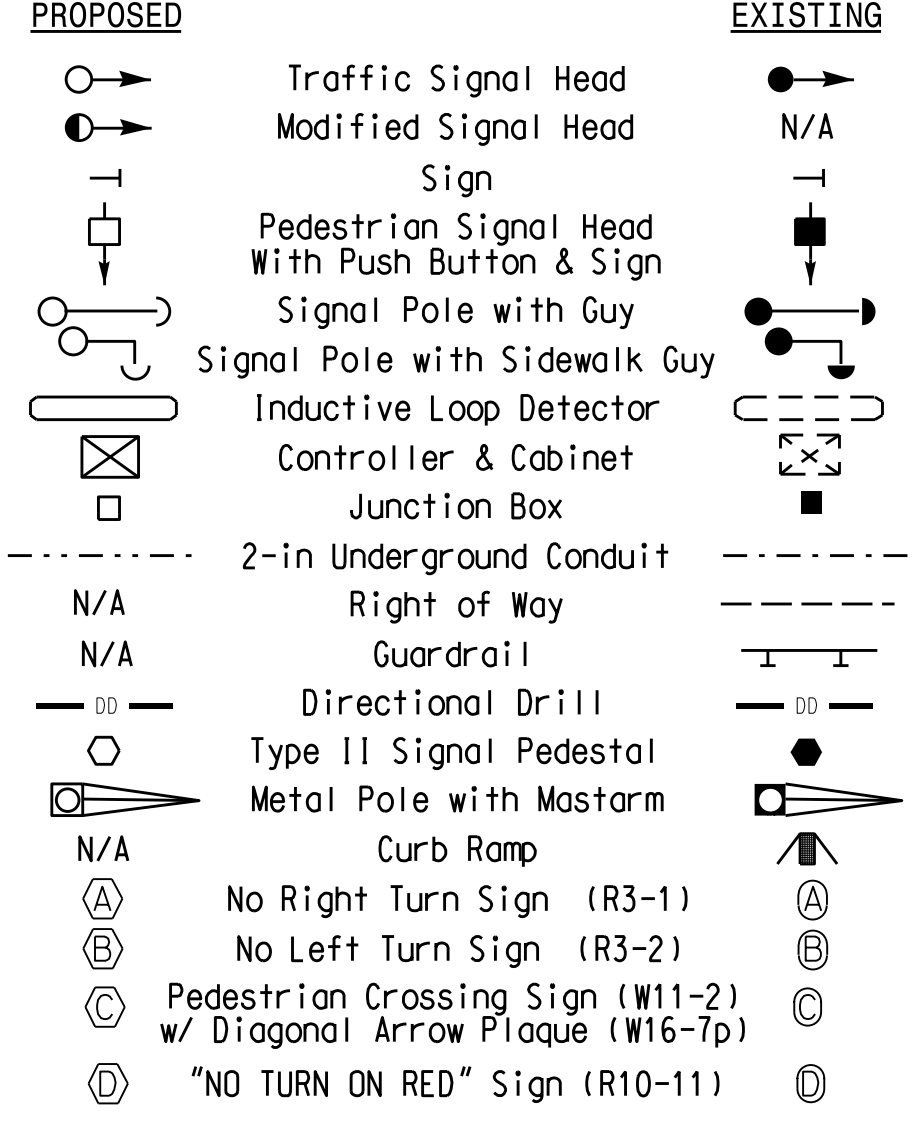
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Program controller to clear from phase 2+6 to phase 8 by progressing through phase 7.
4. Omit phase 7 during phase 8 on.
5. Omit phase 8 during phase 2 on.
6. Set all detector units to presence mode.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only
9. Program all phases for Red Rest.
10. Program controller to start up in an all red interval followed by phase 2+6 green.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	4	6	7 (DUMMY)	8
Min Green 1 *	12	12	12	1	12
Extension 1 *	2.0	2.0	6.0	0.0	2.0
Max Green 1 *	60	60	60	1	60
Yellow Clearance	3.6	3.6	4.3	3.4	3.3
Red Clearance	1.4	3.7	1.7	3.1	1.3
Walk 1 *	-	7	7	-	7
Don't Walk 1	-	11	6	-	4
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	10	-	-
Recall Mode	-	-	20	-	-
Vehicle Call Memory	-	-	3.0	-	-
Dual Entry	ON	ON	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON
Red Rest	ON	ON	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.

Signal Upgrade - Final Design

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1"=40'

SR 4315 (Kernersville Road) at I-74 WB Ramps

Division 9 Forsyth County Winston-Salem

PLAN DATE: May 2021 REVIEWED BY:

PREPARED BY: I. O. Umozurike REVIEWED BY:

REVISIONS: _____ INIT. DATE

SEAL

ROBERT J. ZIEMBA
ENGINEER
026486

DATE: 7/12/2021

SIG. INVENTORY NO. 09-0740

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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