

2 Phase Fully Actuated (Winston-Salem Signal System)

PHASING DIAGRAM

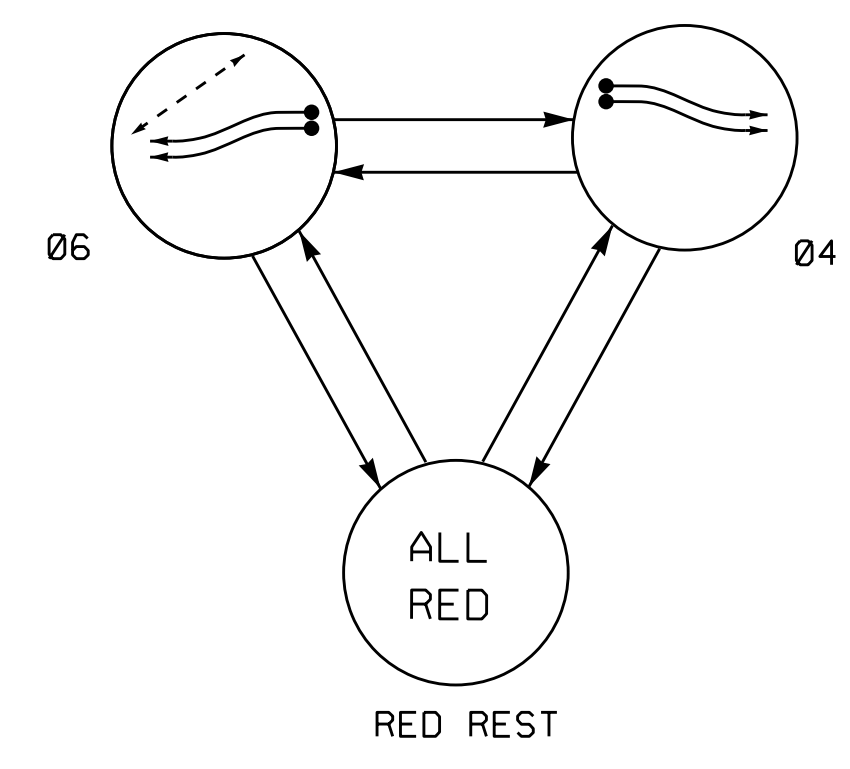
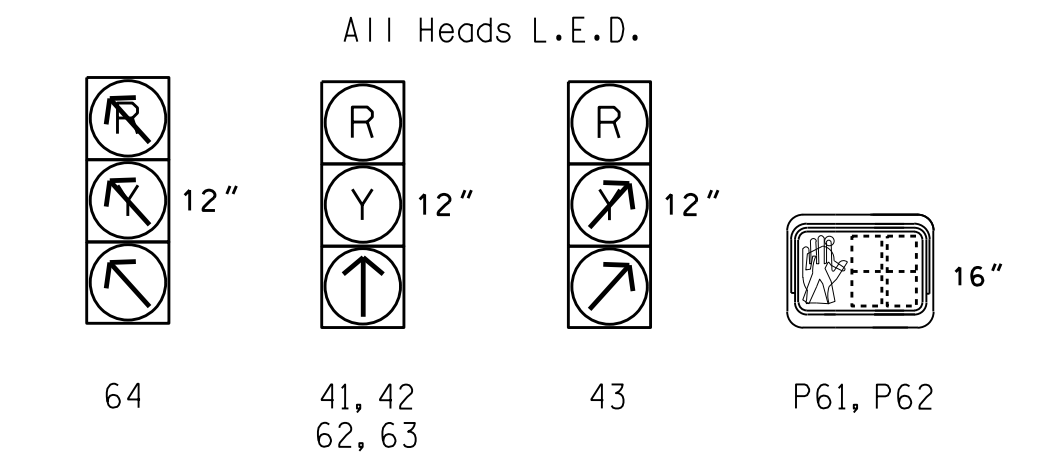


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	04	06	62, 63	64
41, 42	↑	R	R	R
43	↘	R	R	R
62, 63	R	↑	R	R
64	R	↘	R	R
P61, P62	DW	W	DW	DRK

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

SIGNAL FACE I.D.



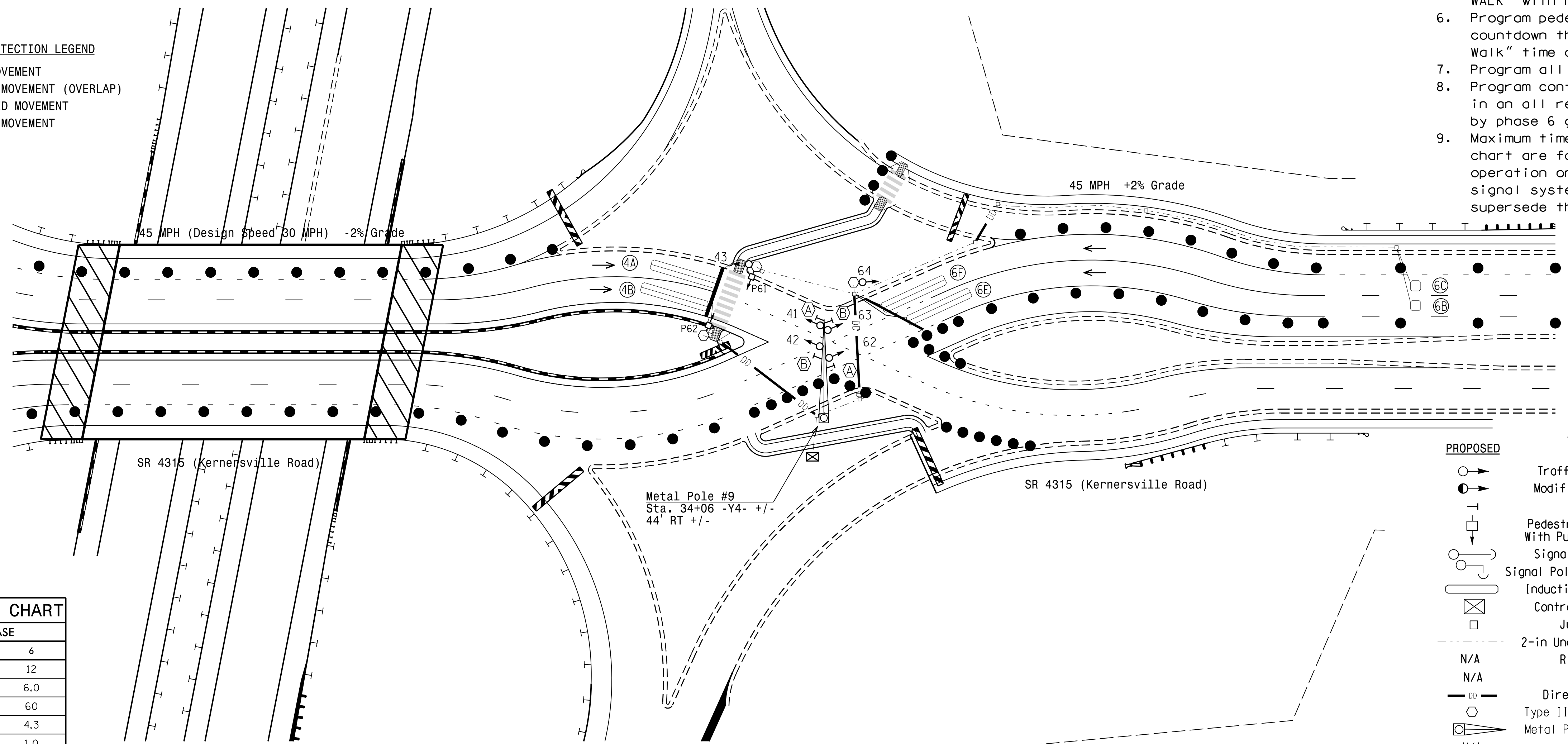
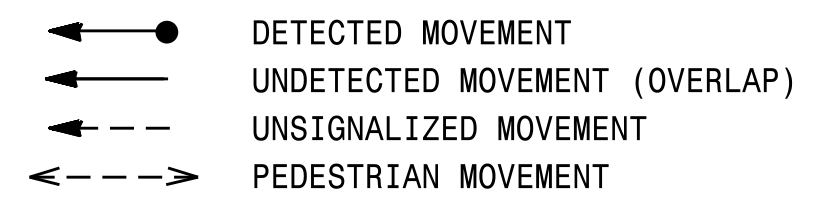
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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

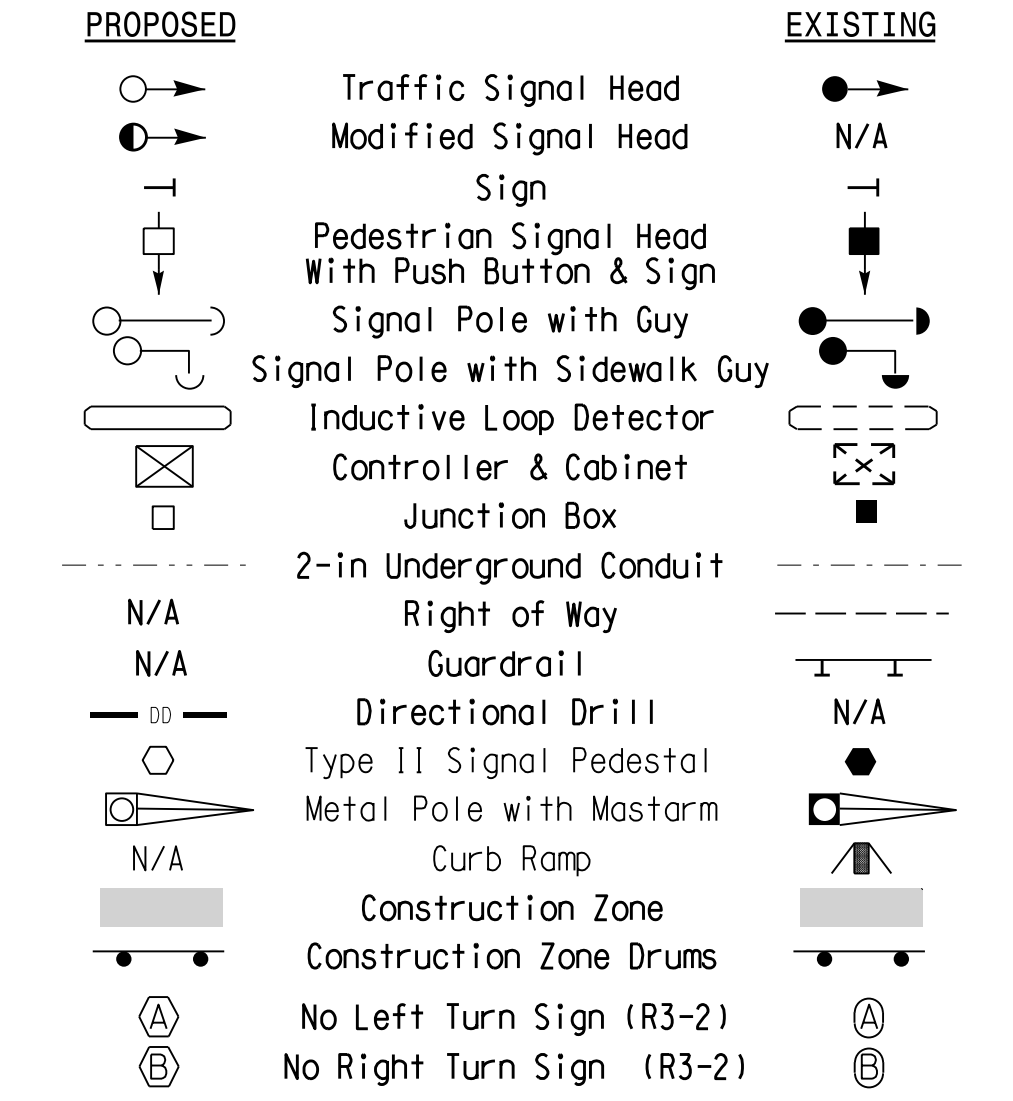
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 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.
- Program all phases for Red Rest.
- Program controller to start up in an all red interval followed by phase 6 green.
- 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	
	4	6
Min Green 1 *	12	12
Extension 1 *	2.0	6.0
Max Green 1 *	60	60
Yellow Clearance	3.6	4.3
Red Clearance	2.4	1.0
Walk 1 *	-	7
Don't Walk 1	-	6
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.0
Recall Mode	-	-
Vehicle Call Memory	-	-
Dual Entry	-	-
Simultaneous Gap	ON	ON
Red Rest	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 Temporary Design (TMP Phase 3)

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. Umuzurike REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE 0 40 1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

ROBERT J. ZICKLER

7/12/21

SIG. INVENTORY NO. 09-0740T

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