

2 Phase
Fully Actuated
(Winston-Salem Signal System)

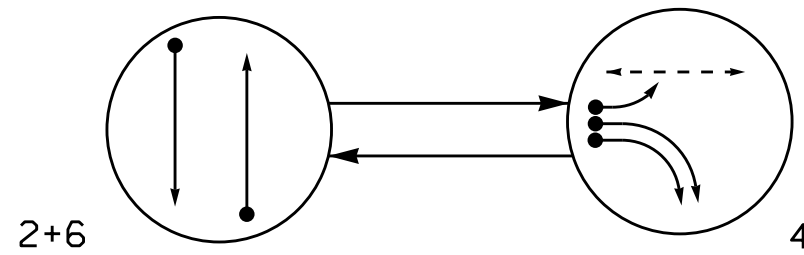
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Remove existing signal head 61.
4. Reposition existing signal heads 21 and 22.
6. Disconnect and abandon existing loops 2B and 6A.
6. Signal heads 21, 22, 41, 42, and 43 have backplates.
7. Set all detector units to presence mode.
8. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
9. Program controller to operate using FYA compact mode.
10. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
11. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
12. Remove existing lane control signs as shown.
13. This intersection uses non-intrusive detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
14. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

PROPOSED	EXISTING
	N/A
N/A	

PHASING DIAGRAM



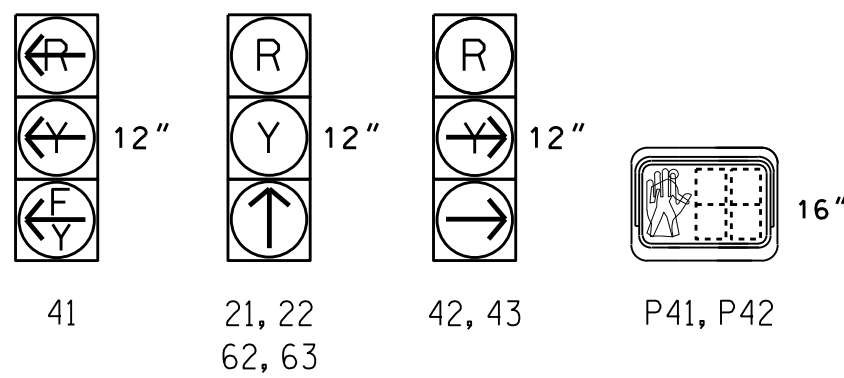
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	2+6	4	FLASH
21, 22	↑	R	R
41	←	←	←
42, 43	R	→	R
61, 62	↑	R	R
P41, P42	DW	W	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green 1 *	10	7	10
Extension 1 *	2.0	2.0	1.0
Max Green 1 *	50	30	50
Yellow Clearance	3.9	3.0	3.9
Red Clearance	1.4	2.3	1.4
Red Revert	2.0	2.0	2.0
Advance Walk	-	7	-
Walk 1 *	-	14	-
Don't Walk 1	-	17	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

* 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.

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART									
INDUCTIVE LOOPS					DETECTOR PROGRAMMING				
LOOP / ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME
2A	6X40	0	2-4-2	-	2	Y	Y	-	-
4A*	6X40	0	*	-	4	Y	Y	-	-
4B*	6X40	0	*	-	4	Y	Y	-	15
4C*	6X40	0	*	-	4	Y	Y	-	15
6B	6X60	+5	EXIST	-	6	Y	Y	-	-

* Non-Intrusive detection zone.

Signal Upgrade -
Temporary Design 2 (TMP Phase II)

 750 N. Greenfield Pkwy, Garner, NC 27529	SR 2741 (Clemmonsville Road) at I-40 EB Ramp		
	Division 9 Forsyth County Winston-Salem		
	PLAN DATE: January 2025	REVIEWED BY:	
	PREPARED BY: J.A. Lohr	REVIEWED BY:	
REVISIONS		INIT.	DATE
0 SCALE 1"=20'			
SIC. INVENTORY NO. 09-0327T2			