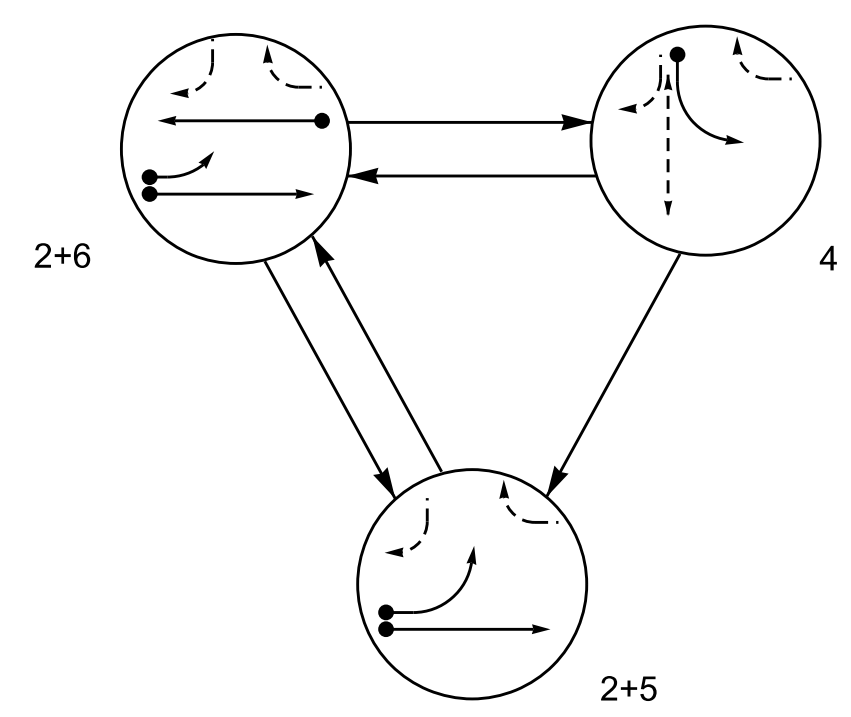


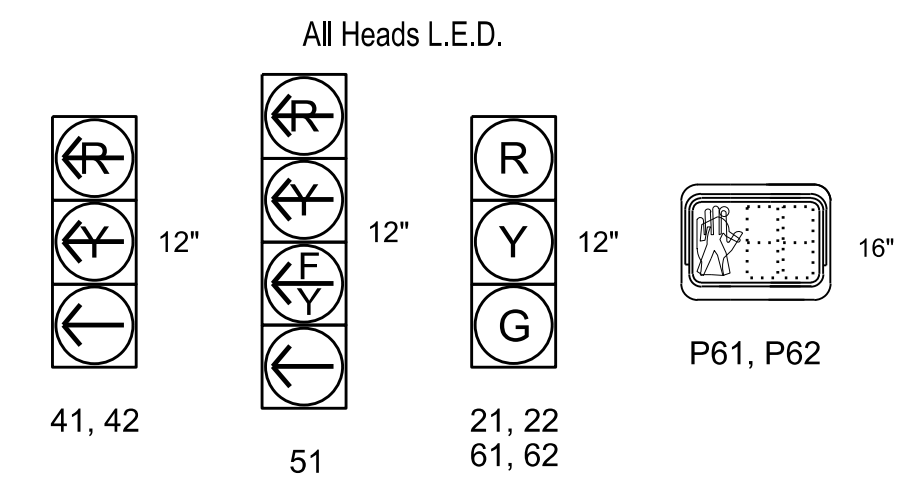
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ○ ← UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 ← - - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE			
	5+2	2+6	4	TRUCK
21, 22	G	G	R	R
41, 42	R	R	L	L
51	L	F	R	R
61, 62	R	G	R	R
P61, P62	DW	W	DW	DRK

SIGNAL FACE I.D.



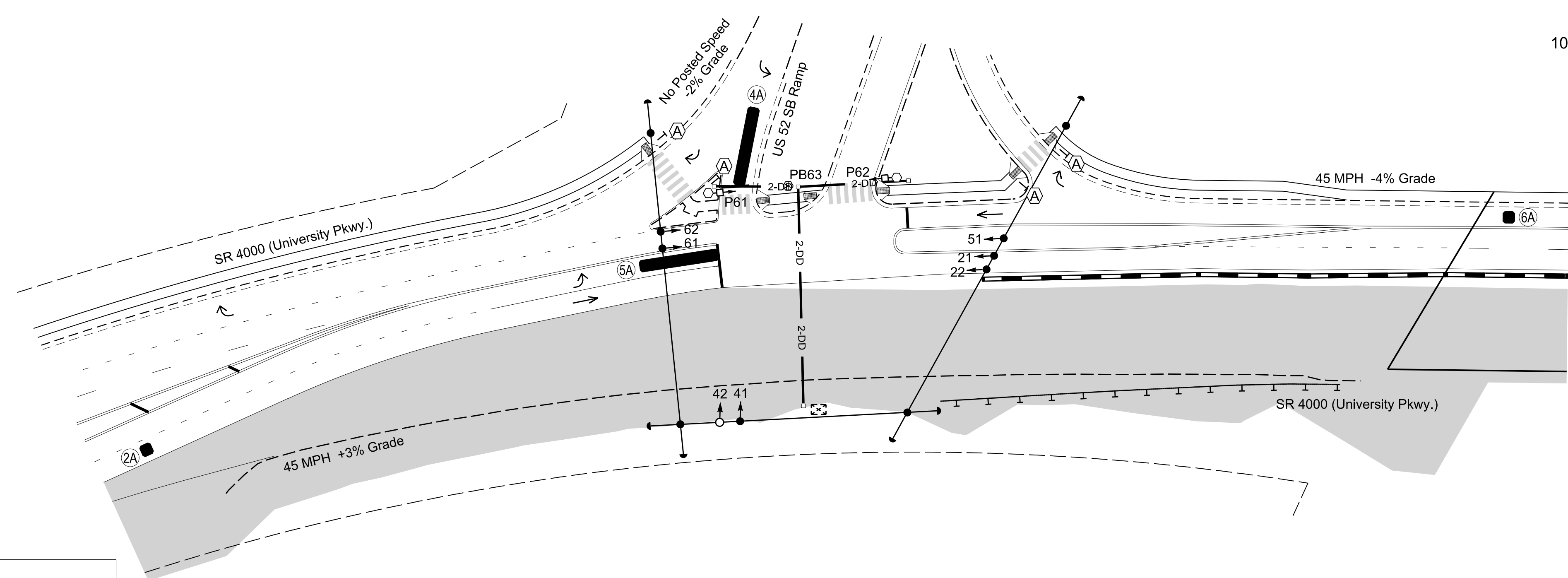
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
NON-INTRUSIVE DETECTION ZONES				DETECTOR PROGRAMMING								
ZONE	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW ZONE	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A*	6X6	300	*	Y	2	Y	Y	-	-	-	-	-
4A*	6X40	0	*	Y	4	Y	Y	-	-	-	-	-
5A*	6X40	0	*	Y	5	Y	Y	-	-	15	-	-
6A*	6X6	300	*	Y	6	Y	Y	-	-	3	-	-

* Non-Intrusive detection zone.

3 Phase Fully Actuated (Winston-Salem 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.
- Reposition existing signal heads as shown.
- Remove existing signal head 43.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection uses non-intrusive 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.



FEATURE	PHASE			
	2	4	5	6
Min Green 1*	12	7	7	12
Extension 1*	6.0	2.0	2.0	6.0
Max Green 1*	90	30	20	90
Yellow Clearance	4.9	3.0	3.0	4.9
Red Clearance	1.6	3.2	2.3	1.6
Red Revert	2.0	2.0	2.0	2.0
Advance Walk	-	-	-	7
Walk 1*	-	-	-	14
Don't Walk 1	-	-	-	18
Seconds Per Actuation*	1.5	-	-	1.5
Max Variable Initial*	34	-	-	34
Time Before Reduction*	15	-	-	15
Time To Reduce*	30	-	-	30
Minimum Gap	3.0	-	-	3.0
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	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.

PROPOSED		LEGEND		EXISTING	
○ →	Traffic Signal Head	○ →	Traffic Signal Head	● →	N/A
○ →	Modified Signal Head	○ →	Sign	○ →	N/A
○ →	Pedestrian Signal Head	○ →	Signal Pole with Guy	○ →	N/A
○ →	Signal Pole with Guy	○ →	Signal Pole with Sidewalk Guy	○ →	N/A
○ →	Inductive Loop Detector	○ →	Controller & Cabinet	○ →	N/A
○ →	Controller & Cabinet	○ →	Junction Box	○ →	N/A
○ →	Junction Box	○ →	2-in Underground Conduit	○ →	N/A
○ →	2-in Underground Conduit	○ →	Right of Way	○ →	N/A
○ →	Right of Way	○ →	Directional Arrow	○ →	N/A
○ →	Directional Arrow	○ →	Curb Ramp	○ →	N/A
○ →	Curb Ramp	○ →	Type I Pushbutton Post	○ →	N/A
○ →	Type I Pushbutton Post	○ →	Type II Signal Pedestal	○ →	N/A
○ →	Type II Signal Pedestal	○ →	Non-Intrusive Detection Zone	○ →	N/A
○ →	Non-Intrusive Detection Zone	○ →	Construction Zone	○ →	N/A
○ →	Construction Zone	○ →	Guardrail	○ →	N/A
○ →	Guardrail	○ →	Construction Barricade	○ →	N/A
○ →	Construction Barricade	○ →	Pedestrian Crossing Sign (W11-2) with Diagonal Downward Arrow (W16-7P)	○ →	N/A
○ →	Pedestrian Crossing Sign (W11-2) with Diagonal Downward Arrow (W16-7P)	○ →		○ →	N/A

Signal Upgrade - Temporary Design 2 (TMP Phase 2, Step 1)

	SR 4000 (Univeristy Parkway) at US 52 SB Ramps		
	Division 9 Forsyth County Winston-Salem	PLAN DATE: November 2025	
750 N. Greenfield Pkwy, Garner, NC 27529	PREPARED BY: J.A. Lohr	REVIEWED BY:	DATE: 02/12/2026
SCALE: 1"=40'	REVISIONS:	INIT. DATE:	SIG. INVENTORY NO. 09-0651T2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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