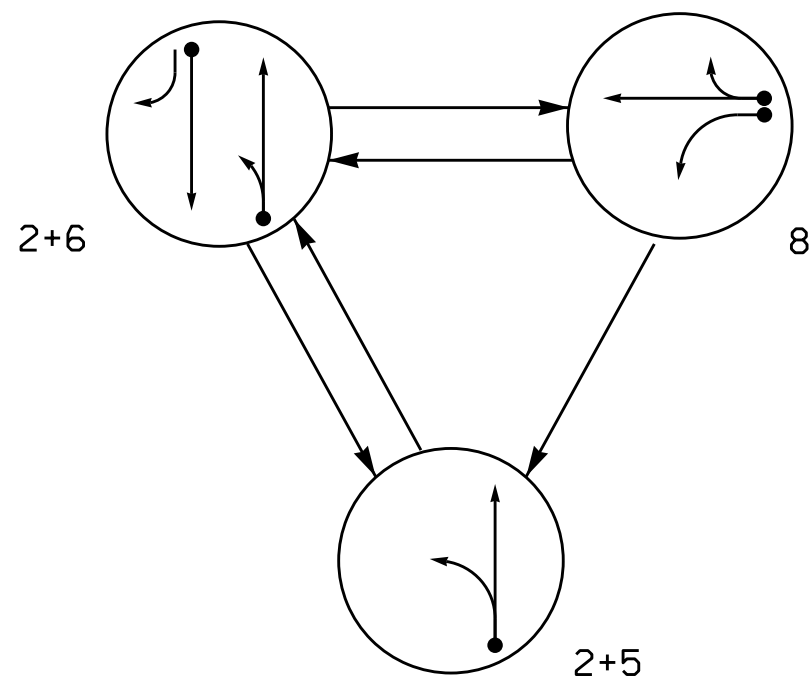


PHASING DIAGRAM



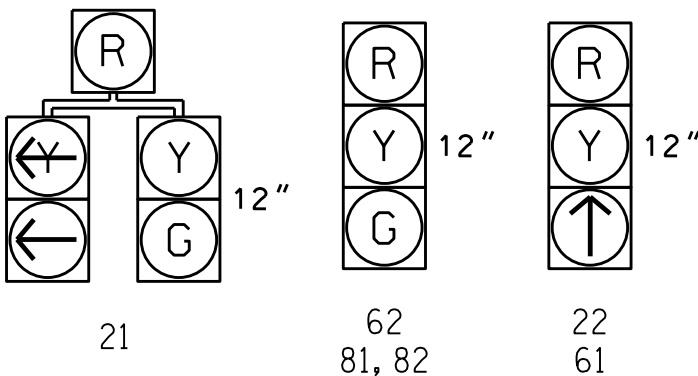
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE			
	2+5	2+6	8	F L S H
21	G	G	R	R
22	↑	↑	R	R
61	R	↑	R	R
62	R	G	R	R
81, 82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART									
INDUCTIVE LOOPS					DETECTOR PROGRAMMING				
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME
2A	6X6	70	4	Y	2	Y	Y	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	15
6A	6X6	70	EXIST	-	6	Y	Y	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	-	10

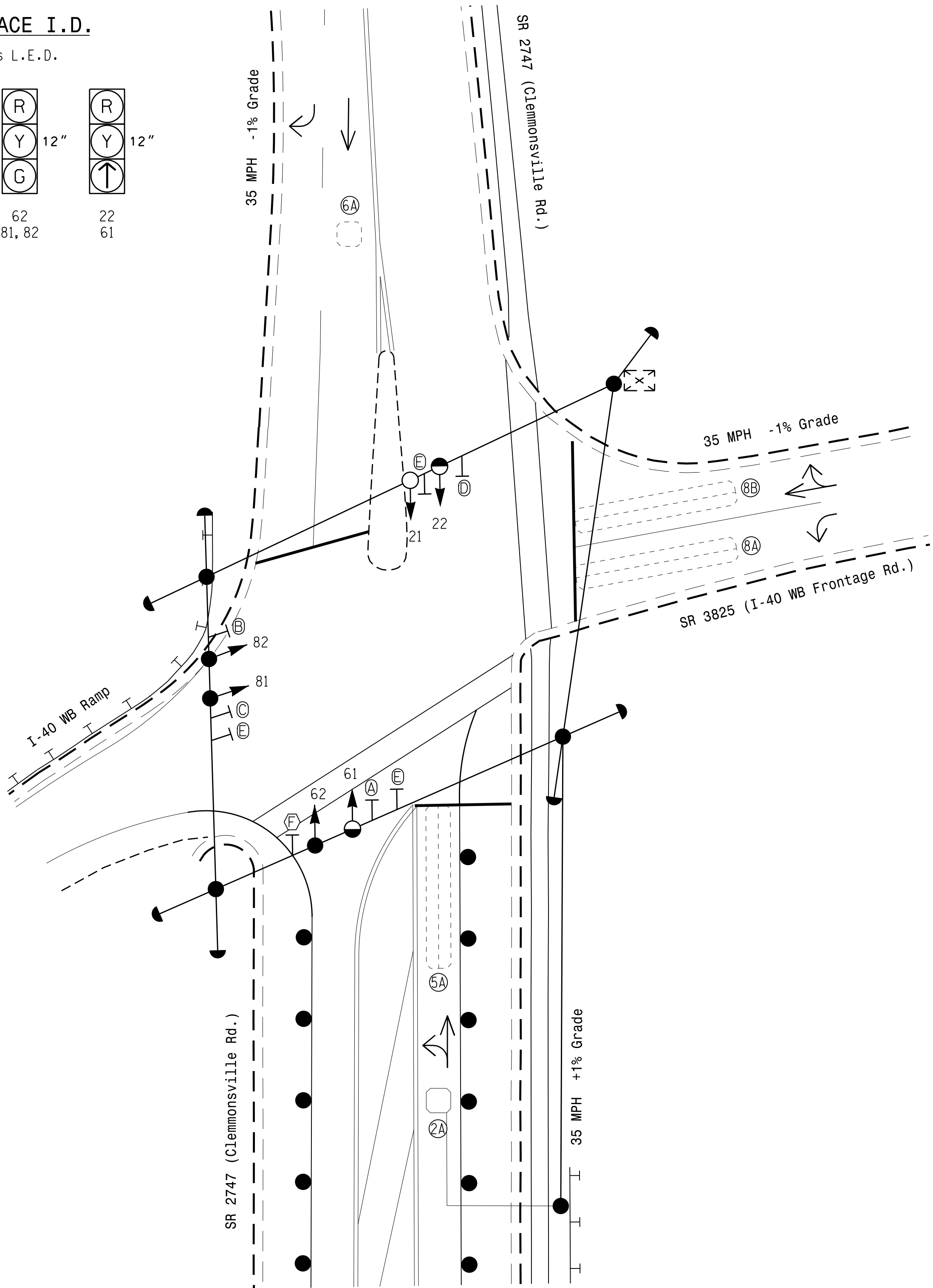
3 Phase
Fully Actuated
Winston-Salem Signal System

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.
- Phase 5 may be lagged.
- Reposition existing signal head 22.
- Existing signal heads 22, 81, and 82 have backplates
- Add backplate to signal head 21.
- Abandon existing loops 2A and 6B.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

OASIS 2070 TIMING CHART				
FEATURE	PHASE			
	2	5	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	3.0	2.0	3.0	2.0
Max Green 1 *	45	15	45	30
Yellow Clearance	3.9	3.0	3.9	3.9
Red Clearance	1.4	1.8	1.4	1.7
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
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.



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	
	Sign	
	Pedestrian Signal Head	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Right of Way	
	Directional Arrow	
	Construction Zone Drums	
	Guardrail	
	No Left Turn Sign (R3-2)	
	Combined Through and Right Arrow Sign (R3-6R)	
	Left Arrow "ONLY" Sign (R3-5L)	
	No Right Turn Sign (R3-1)	
	Street Name Sign By Others (D3-1)	
	Right Arrow "ONLY" Sign (R3-SR)	

Signal Upgrade -
Temporary Design 1 (TMP Phase I)

	SR 2747 (Clemmonsville Road) at I-40 WB Ramp and SR 3825 (I-40 WB Frontage Road) Division 9 Forsyth County Winston-Salem			
	PLAN DATE: September 2024	REVIEWED BY:		
PREPARED BY: J.A. Lohr	REVIEWED BY:	REVISIONS	INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		01/02/2025		
1"=20'		DATE		
		SIG. INVENTORY NO. 09-0328T1		