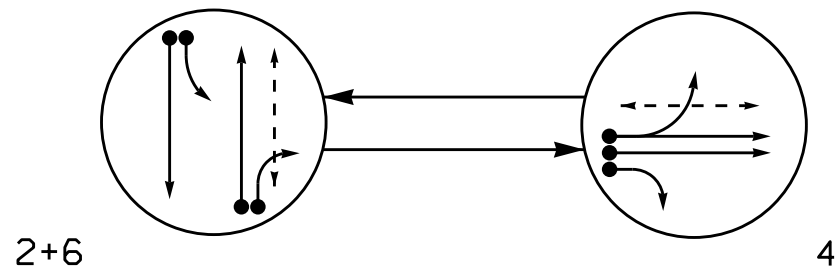


PHASING DIAGRAM



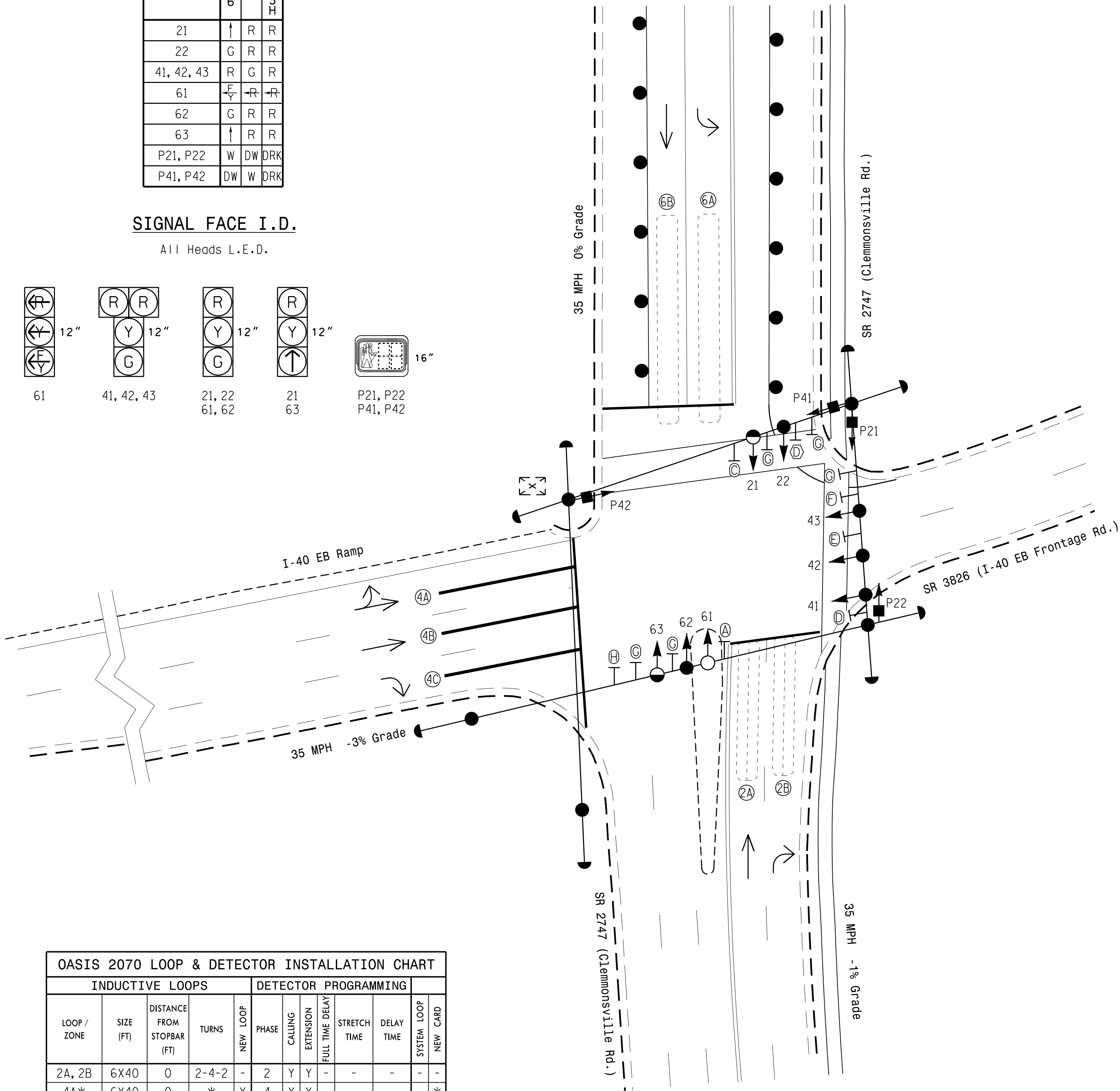
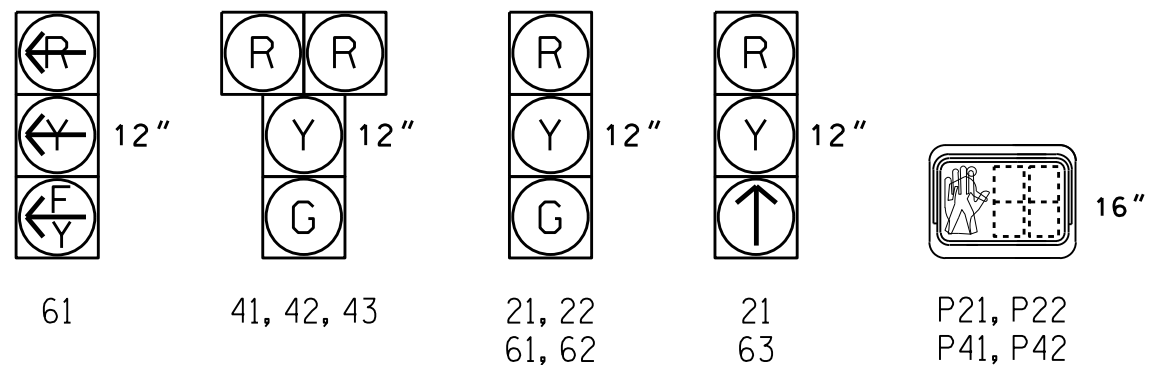
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION				
SIGNAL FACE	PHASE			
	2+6	4	FLASH	
21	↑	R	R	
22	G	R	R	
41, 42, 43	R	G	R	
61	←	←	←	←
62	G	R	R	
63	↑	R	R	
P21, P22	W	DW	DRK	
P41, P42	DW	W	DRK	

SIGNAL FACE I.D.

All Heads L.E.D.



2 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.
- Signal heads 21, 22, 41, 42, and 43 have backplates.
- Reposition existing signals heads 62 and 63.
- Disconnect and abandon existing loops 4A, 4B, 4C, and 6C.
- Set all detector units to presence mode.
- 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.
- Program controller to operate using FYA compact 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.

LEGEND

PROPOSED	EXISTING
	N/A

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	4.7	3.9
Red Clearance	1.4	1.5	1.4
Red Revert	2.0	2.0	2.0
Advance Walk	7	7	-
Walk 1 *	14	14	-
Don't Walk 1	12	16	-
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	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A, 2B	6X40	0	2-4-2	-	2	Y	Y	-	-	-	-	-
4A*	6X40	0	*	Y	4	Y	Y	-	-	-	-	*
4B*	6X40	0	*	Y	4	Y	Y	-	-	-	-	*
4C*	6X40	0	*	Y	4	Y	Y	-	-	15	-	*
6A, 6B	6X60	+5	EXIST	-	6	Y	Y	-	-	-	-	-

\* Non-Intrusive detection zone.

Signal Upgrade -  
Temporary Design 1 (TMP Phase I)

	SR 2741 (Clemmonsville Road)		at	
	I-40 EB Ramp and		SR 3826 (I-40 EB Frontage Road)	
	Division 9		Forsyth County Winston-Salem	
	PLAN DATE: September 2024		REVIEWED BY:	
	PREPARED BY: J.A. Lohr		REVIEWED BY:	
	REVISIONS		INIT. DATE	
	0 SCALE 20		1"=20'	
	750 N. Greenfield Pkwy, Garner, NC 27529		01/02/2025	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
SEAL	SEAL
SIC. INVENTORY NO. 09-0327T1	