

PHASING DIAGRAM

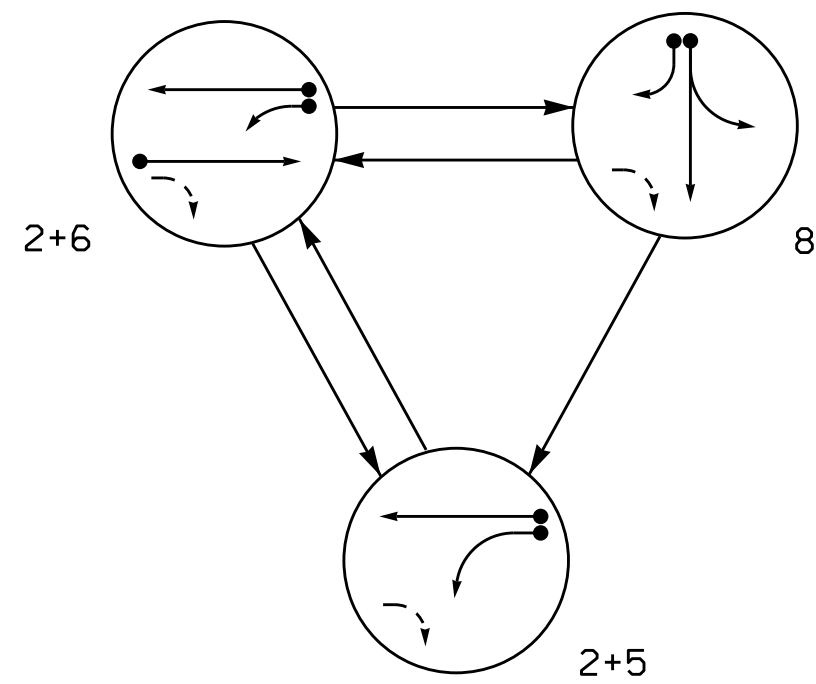
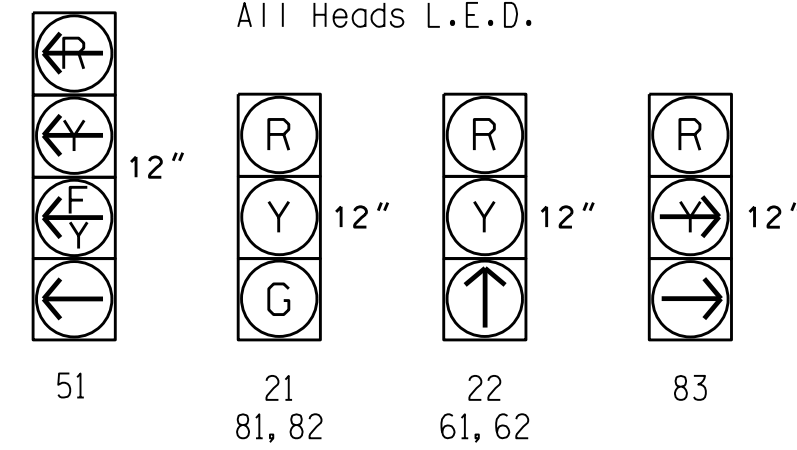


TABLE OF OPERATION				
SIGNAL FACE	PHASE			
	2 + 5	2 + 6	8	F A S H
21	G	G	R	R
22	↑	↑	R	↑
51	→	→	R	→
61, 62	R	↑	R	R
81, 82	R	R	G	R
83	R	R	→	R

SIGNAL FACE I.D.

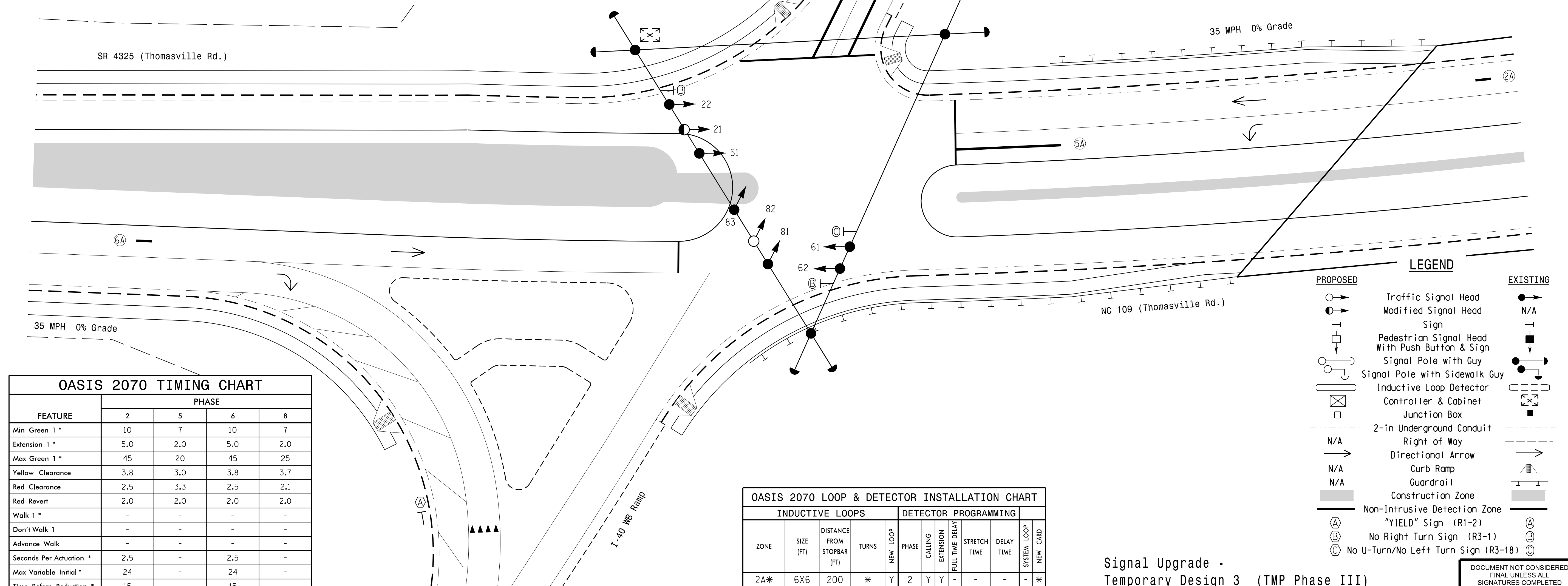
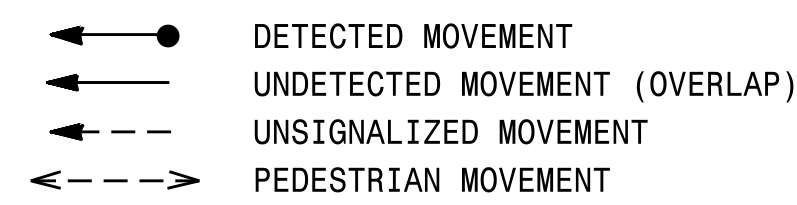
All Heads L.E.D.



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. Reconnect and unbag existing signal heads 51 and 81.
4. Reposition existing signal heads 21, 22, 51, 61, and 62.
5. Phase 5 may be lagged.
6. Set all detector units to presence mode.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND



OASIS 2070 TIMING CHART

OASIS 2070 TIMING CHART				
FEATURE	PHASE			
	2	5	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	5.0	2.0	5.0	2.0
Max Green 1 *	45	20	45	25
Yellow Clearance	3.8	3.0	3.8	3.7
Red Clearance	2.5	3.3	2.5	2.1
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Advance Walk	-	-	-	-
Seconds Per Actuation *	2.5	-	2.5	-
Max Variable Initial *	24	-	24	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	15	-	15	-
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.

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART	
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INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	DELAY FULL TIME	STRETCH TIME	DELAY TIME	SYSTEM	LOOP
2A*	6X6	200	*	Y	2	Y	Y	-	-	-	-	-
5A*	6X40	0	*	Y	5	Y	Y	-	-	15	-	-
					2	Y	Y	Y	-	3	-	-
6A*	6X6	200	*	Y	6	Y	Y	-	-	-	-	-
8A*	6X40	0	*	-	8	Y	Y	-	-	-	-	-
8B*	6X40	0	*	-	8	Y	Y	-	-	15	-	-

* Non-Intrusive detection zone.

Signal Upgrade -
Temporary Design 3 (TMP Phase III)

	Prepared In The Office of:		
	NC 109/SR 4325 (Thomasville Road) at I-40 WB Ramps		
	Division 9 Forsyth County Winston-Salem		
	PLAN DATE: September 2024 REVIEWED BY:		
750 N. Greenfield Pkwy, Garner, NC 27529 PREPARED BY: J.A. Lohr REVIEWED BY:			
	REVISIONS		
SCALE 		INIT.	DATE
0 20 1" = 20'		DocuSign by 	01/02/2025
100048002746404		DATE	
SIG. INVENTORY NO. 09-0599T3		SEAL NORTH CAROLINA PROFESSIONAL SEAL 026486 ENGINEER ROBERT J. ZIEMBA	