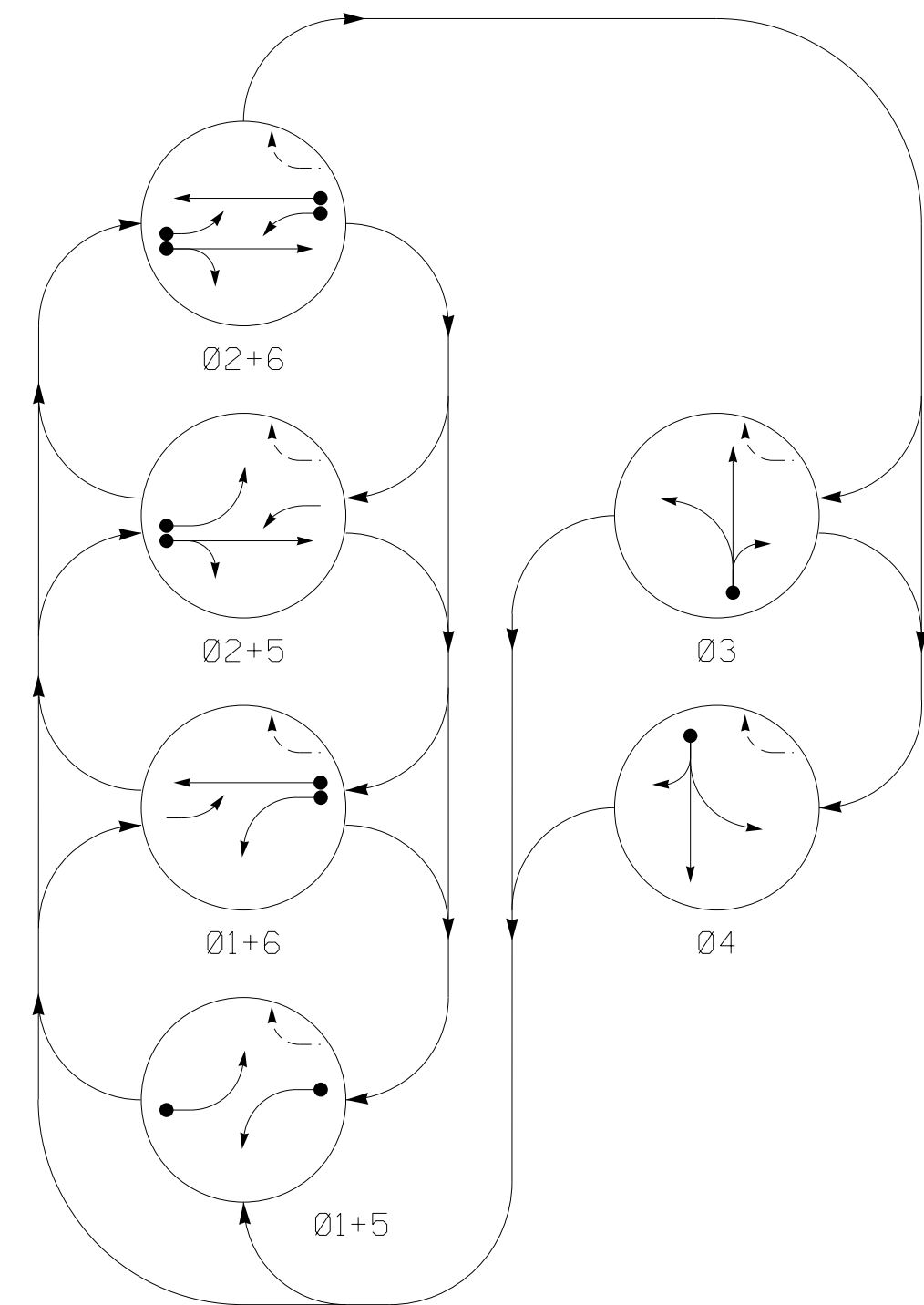


PHASING DIAGRAM



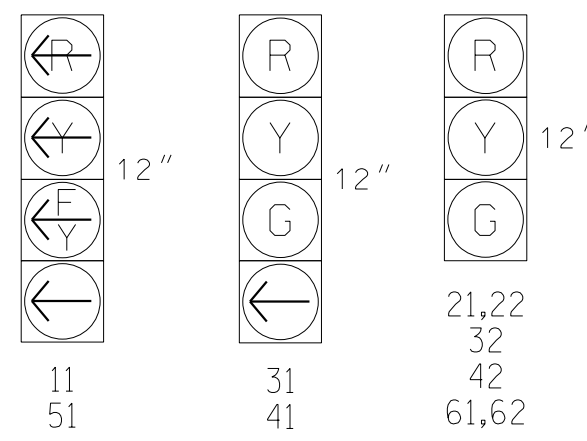
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	Ø 4
11	←	←	←	←	←	←
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	G	R
42	R	R	R	R	G	R
51	←	←	←	←	←	←
61,62	R	G	R	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



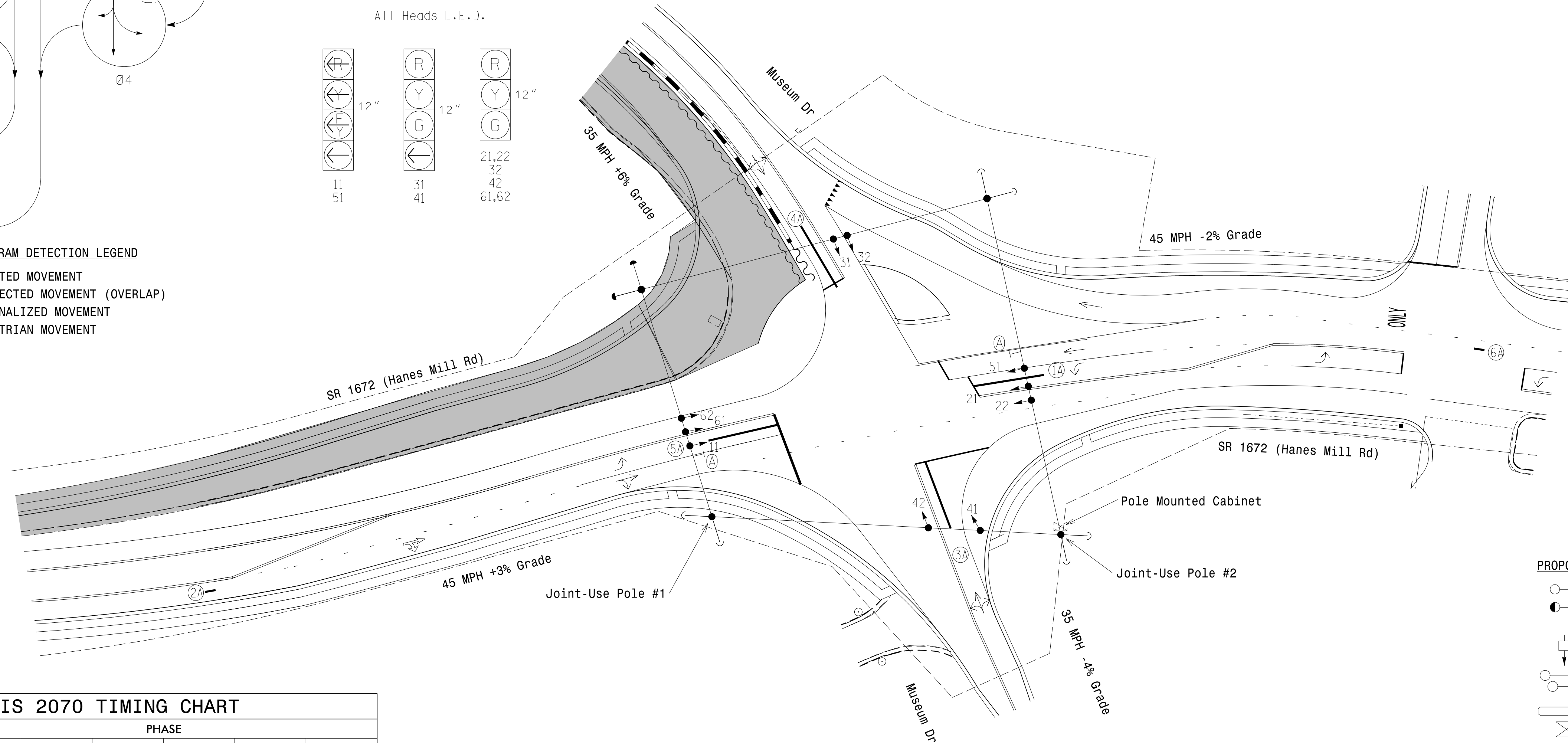
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING						SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME		
1A*	6X40	0	*	*	1	Y	Y	-	-	15	-	*
					6	Y	Y	Y	-	3	-	*
2A*	6X6	300	*	*	2	Y	Y	-	-	-	-	*
3A*	6X40	0	*	*	3	Y	Y	-	-	10	-	*
4A*	6X40	+10	*	*	4	Y	Y	-	-	10	-	*
5A*	6X40	0	*	*	5	Y	Y	-	-	15	-	*
					2	Y	Y	Y	-	3	-	*
6A*	6X6	300	*	*	6	Y	Y	-	-	-	-	*

* Video Detection Zone

6 Phase Fully Actuated (Winston-Salem Signal System)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Reposition existing signal heads numbered 11,31,32,41, 42,61, and 62
- Maximum times shown in timing chart are free-run operation only. Coordinated signal system timing supersedes these values.



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	12	7	7	7	12
Extension 1	2.0	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	20	75	15	30	20	75
Yellow Clearance	3.0	4.7	4.1	3.5	3.0	4.7
Red Clearance	1.9	1.4	1.2	2.6	2.4	1.4
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	2.5	-	-	-	2.5
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	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 | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ○ → Sign | ○ → N/A |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → N/A |
| ○ → Signal Pole with Guy | ○ → N/A |
| ○ → Signal Pole with Sidewalk Guy | ○ → N/A |
| ○ → Inductive Loop Detector | ○ → N/A |
| ○ → Controller & Cabinet | ○ → N/A |
| ○ → Junction Box | ○ → N/A |
| ○ → 2-in Underground Conduit | ○ → N/A |
| ○ → Right of Way | ○ → N/A |
| ○ → Directional Arrow | ○ → N/A |
| ○ → Construction Zone | ○ → N/A |
| ○ → Video Detection Zone | ○ → N/A |
| ○ → No U Turn Sign (R3-4) | ○ → N/A |

Signal Upgrade - Temporary Design 3 (TMP Phase IV)

<p>MOTT MACDONALD 7621 Purfoy Road Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-0669</p>	<p>TRANSPORTATION MOBILITY AND SAFETY DIVISION DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION</p>	<p>SR 1672 (Hanes Mill Road) at Museum Drive</p> <p>Division 9 Forsyth County Winston-Salem</p> <p>PLAN DATE: March 2023 REVIEWED BY: RW Thompson</p> <p>PREPARED BY: LD Stouchko REVIEWED BY:</p>		<p>Russell W. Thompson Professional Engineer License No. 11985</p>					
		<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.		DATE	DESCRIPTION			
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SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
RUSSELL W. THOMPSON
11985
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SIGNATURE
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SIG. INVENTORY NO. 09-069913