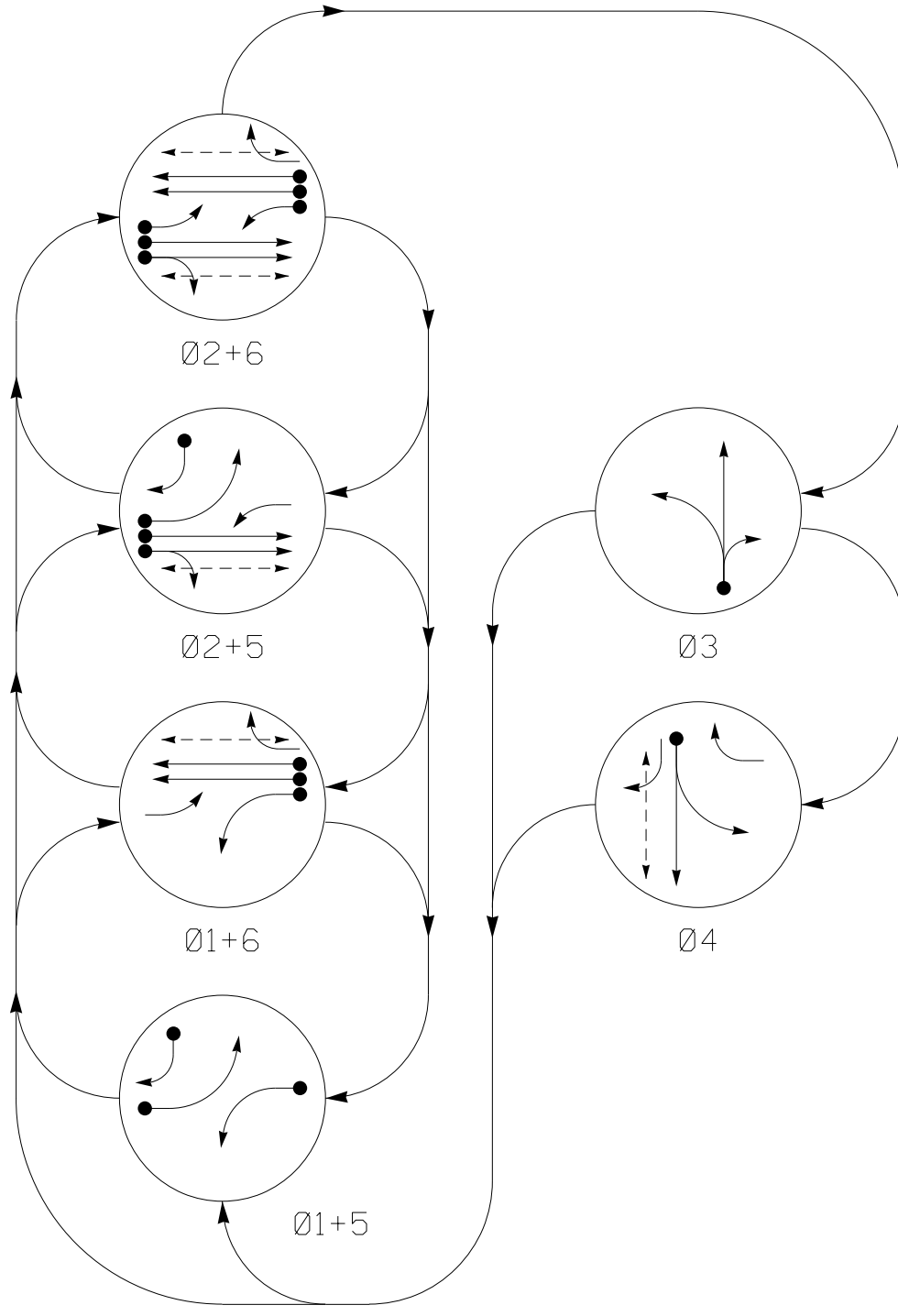
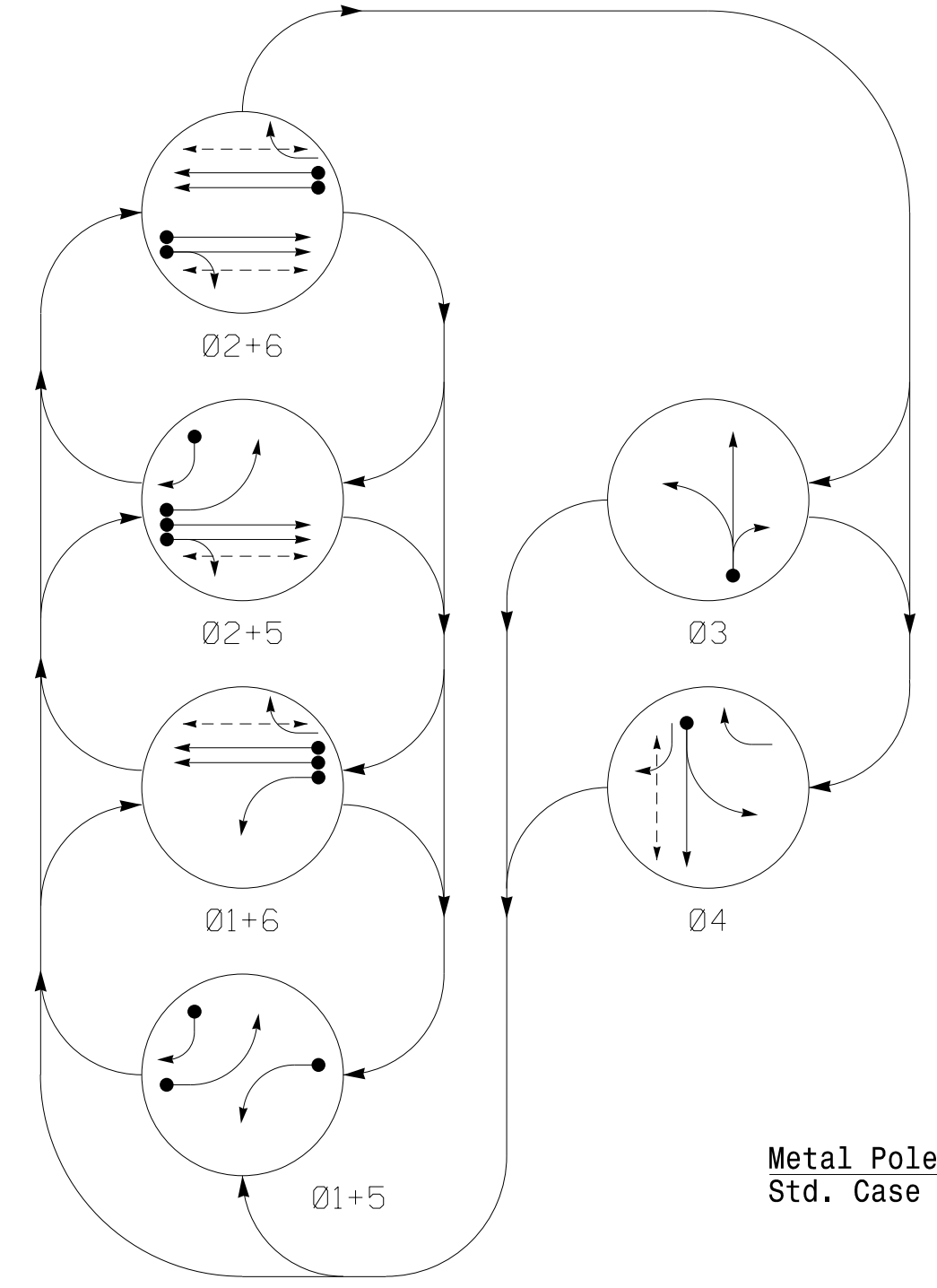


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	FLASH
11	←	←	←	←	←	←
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41,42	R	R	R	R	G	R
43	←	←	←	←	←	←
51	←	←	←	←	←	←
61,62	R	G	R	G	R	R
63	R	←	R	←	R	←
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	DW	DW	DW	DW	DRK
P61,P62	DW	W	DW	W	DW	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	FLASH
11	←	←	←	←	←	←
21,22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41,42	R	R	R	R	G	R
43	←	←	←	←	←	←
51	←	←	←	←	←	←
61,62	R	G	R	G	R	R
63	R	←	R	←	R	←
P21,P22	DW	DW	W	W	DW	DRK
P41,P42	DW	DW	DW	DW	DW	DRK
P61,P62	DW	W	DW	W	DW	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

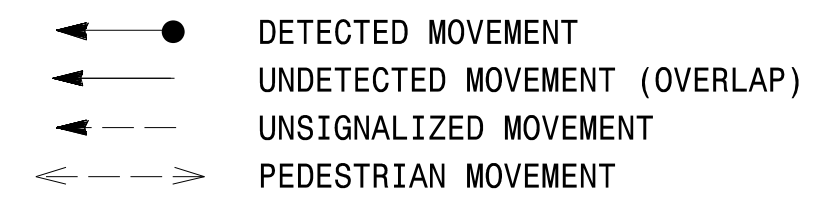
LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	15**	-	-
2A	6X6	300	5	Y	2	Y	Y	-	-	-	-	-
2B	6X6	300	5	Y	2	Y	Y	-	-	-	-	-
3A	6X20	0	2-4-2	-	3	Y	Y	-	-	5	-	-
3B	6X15	0	5	-	3	Y	Y	-	-	15	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	15**	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-	-
6A*	6X6	300	*	*	6	Y	Y	-	-	-	-	-
6B*	6X6	300	*	*	6	Y	Y	-	-	-	-	-

\* Video Detection Zone  
 \*\* Reduce Delay to 3 Seconds During Alternate Phasing Operation  
 # Disable Phase Call for Loop(s) During Alternate Phasing Operation.

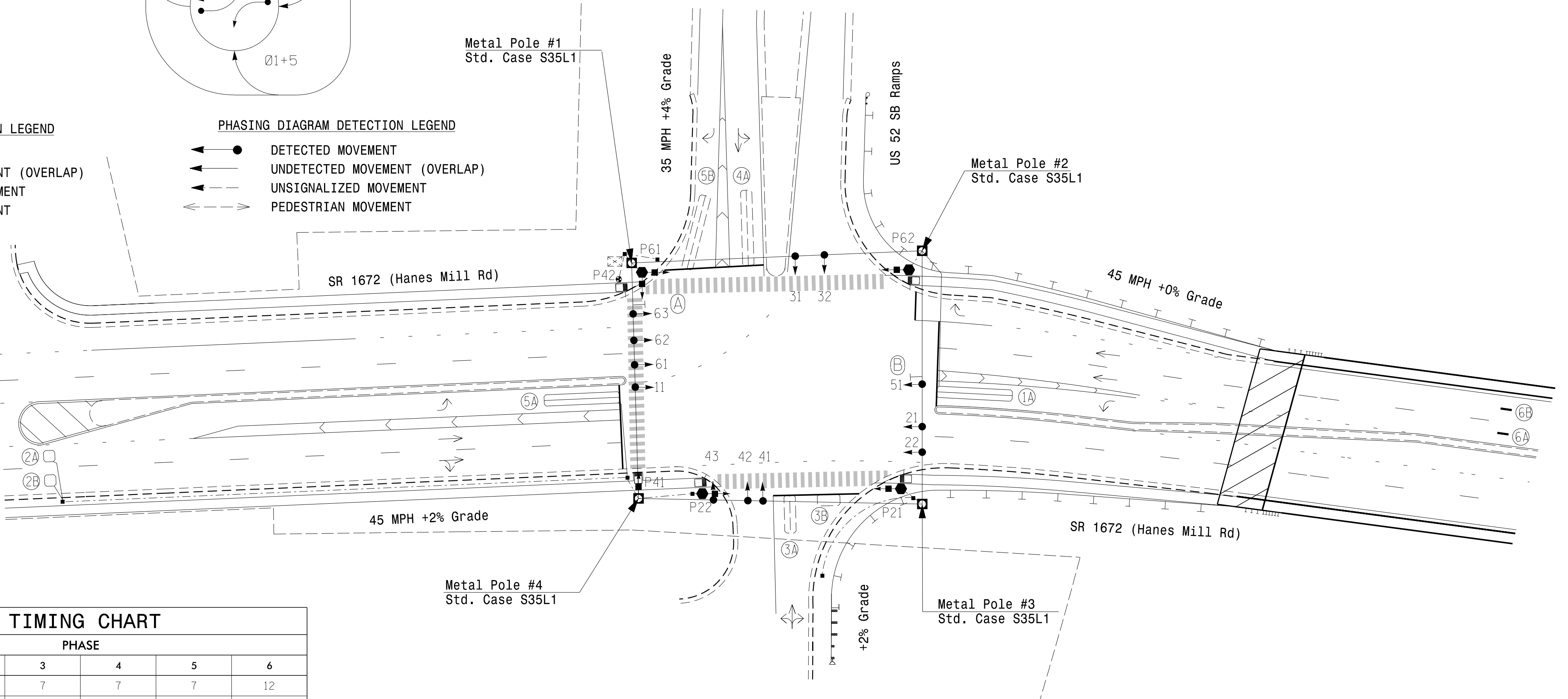
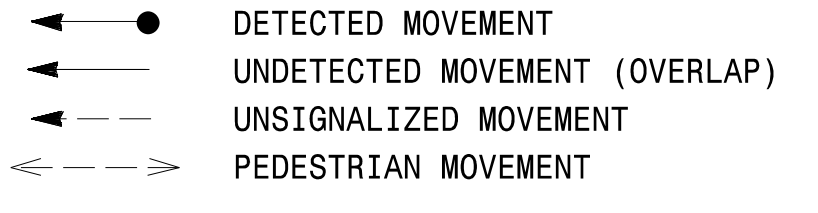
6 Phase Fully Actuated (Winston-Salem Signal System) NOTES

- 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.
- Reposition existing signal heads numbered 11,21,22,51, and 61.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Division (City) Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses video 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.

PHASING DIAGRAM DETECTION LEGEND



PHASING DIAGRAM DETECTION LEGEND

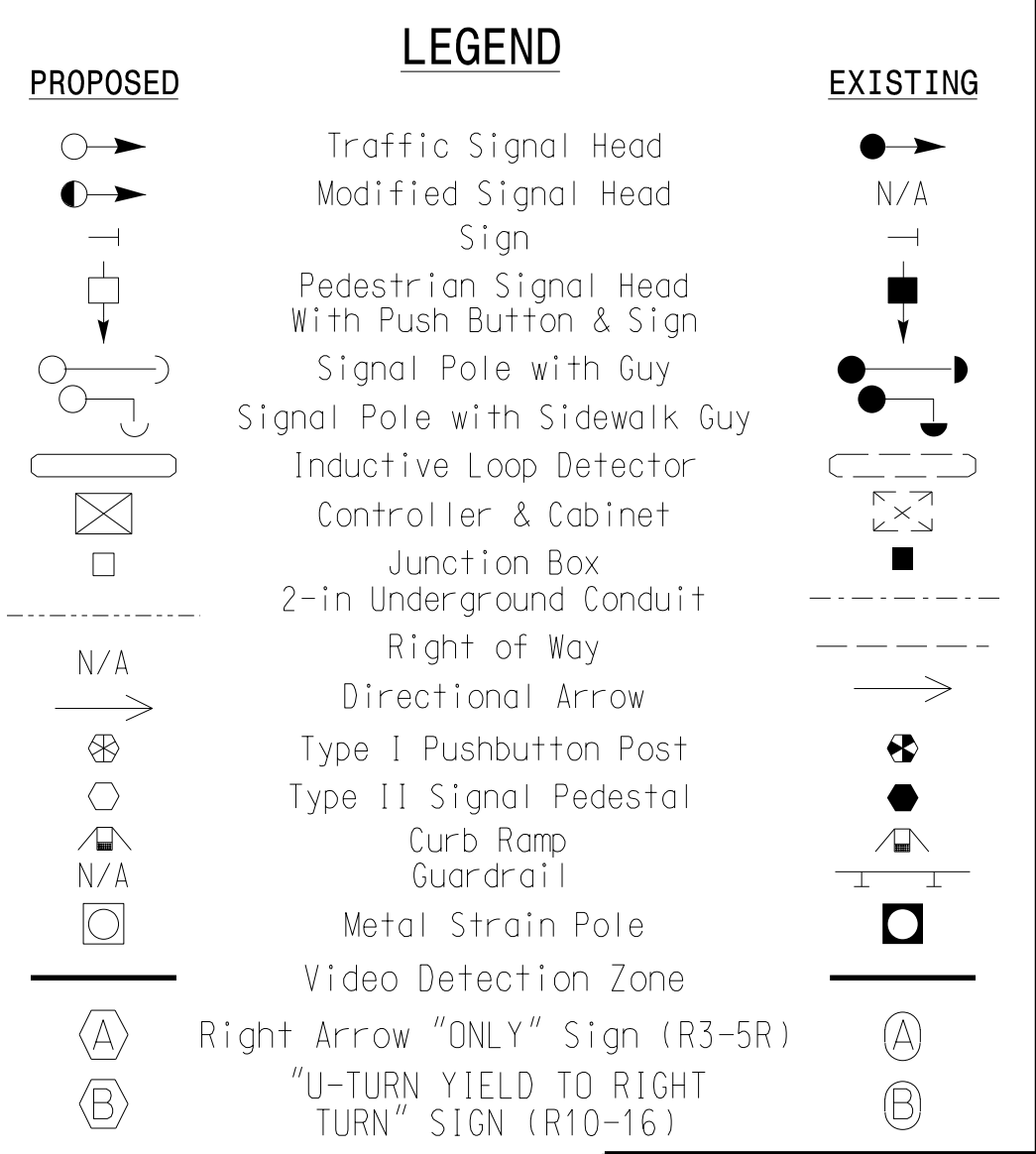
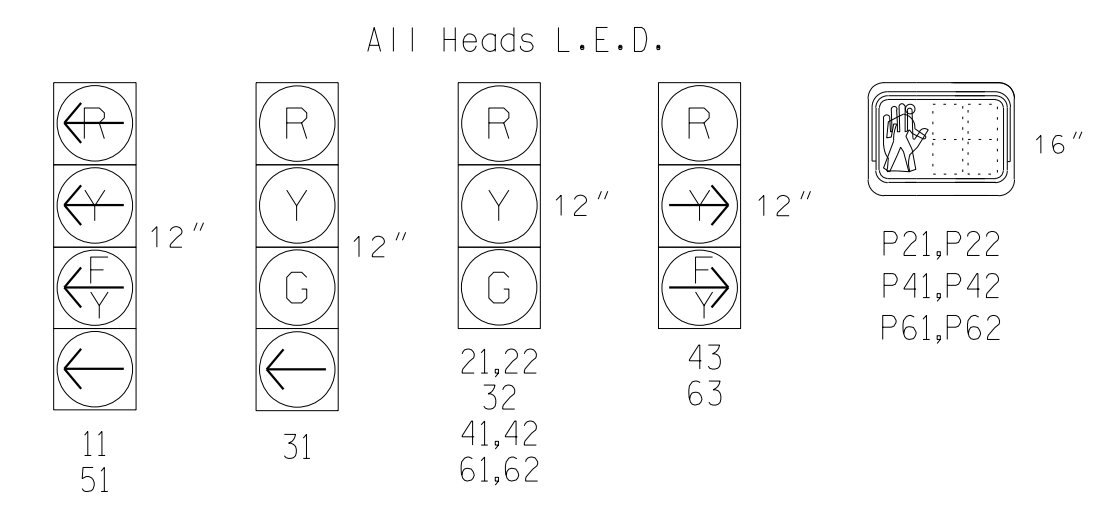


OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1*	7	12	7	7	7	12
Extension 1*	2.0	6.0	3.0	2.0	2.0	6.0
Max Green 1*	25	90	25	25	25	90
Yellow Clearance	3.0	4.5	3.0	3.0	3.0	4.5
Red Clearance	3.3	2.5	3.8	3.4	3.4	2.5
Walk 1*	-	7	-	7	-	7
Don't Walk 1	-	23	-	26	-	36
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	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.

SIGNAL FACE I.D.



Signal Upgrade - Final Design

M M  
**MOTT  
 MACDONALD**  
 7621 Purfoy Road  
 Suite 115  
 Fuquay-Varina, NC 27526  
 www.mottmac.com  
 License No. F-0669

TRANSPORTATION MOBILITY AND SAFETY DIVISION  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 STREET DESIGN SECTION  
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1672 (Hanes Mill Road) at US 52 SB Ramps  
 Division 9 Forsyth County Winston-Salem  
 PLAN DATE: March 2023 REVIEWED BY: RW Thompson  
 PREPARED BY: LD Stouchko REVIEWED BY:  
 REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Russell W. Thompson  
 PROFESSIONAL ENGINEER  
 No. 032711  
 SEAL

4/25/2023  
 G:\308350.DOC\_12.MFC.LJ-2729\Traffic\Signal\09-0775\60\_125\_090775-20230425.dgn  
 User: STB627