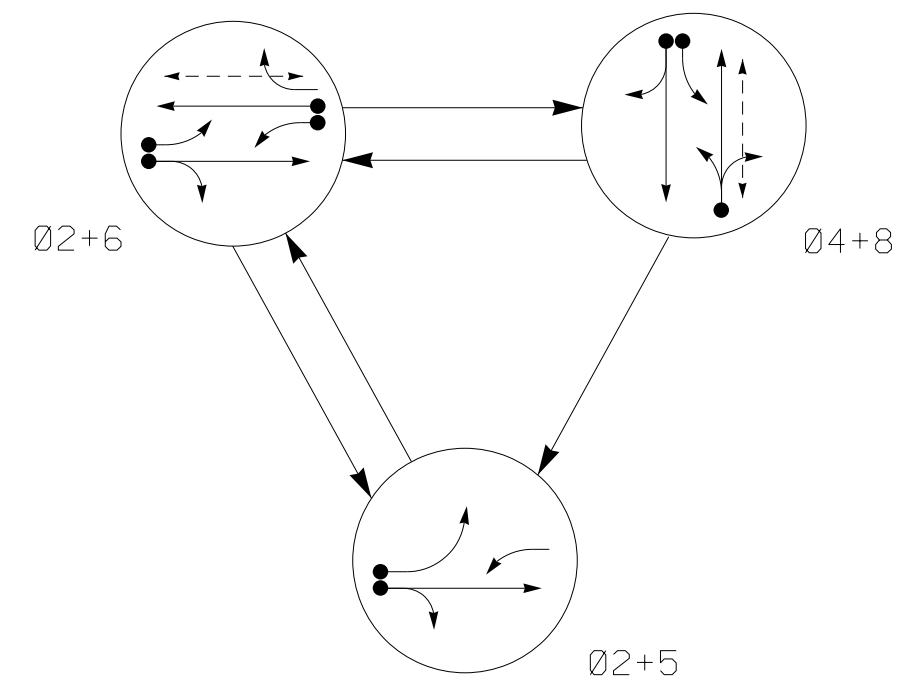
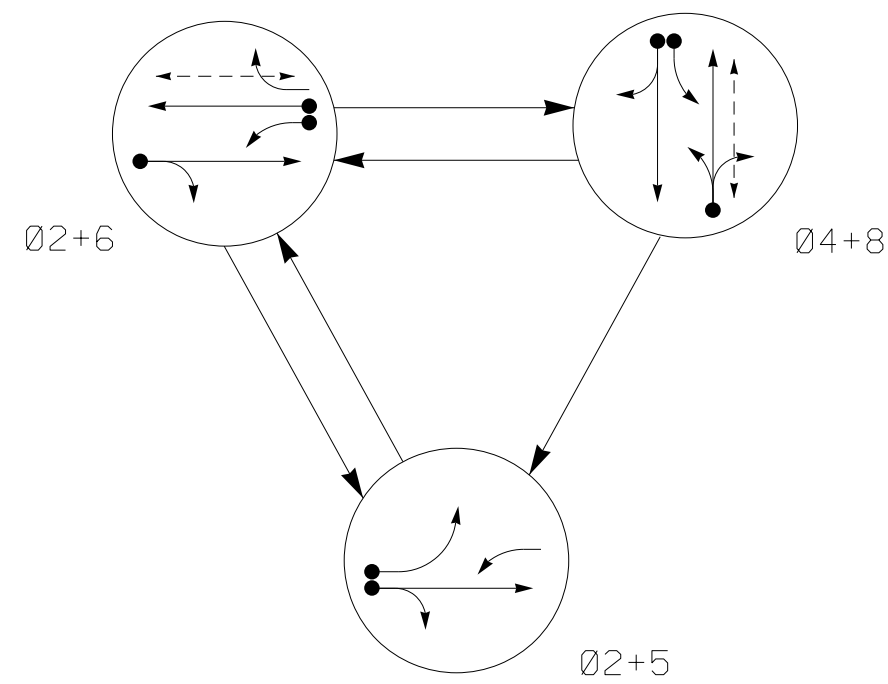


DEFAULT PHASING DIAGRAM



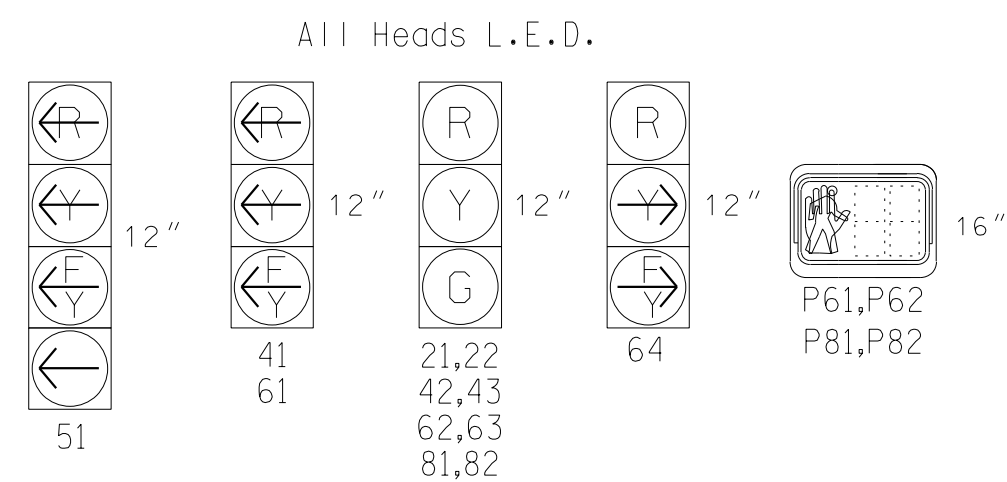
ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04+8	FLASH
21,22	G	G	R	Y
41	R	R	F	R
42,43	R	R	G	R
51	F	F	R	Y
61	F	F	R	Y
62,63	R	G	R	Y
64	R	F	R	Y
81,82	R	R	G	R
P61,P62	DW	W	DW	DRK
P81,P82	DW	DW	W	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04+8	FLASH
21,22	G	G	R	Y
41	R	R	F	R
42,43	R	R	G	R
51	F	F	R	Y
61	F	F	R	Y
62,63	R	G	R	Y
64	R	F	R	Y
81,82	R	R	G	R
P61,P62	DW	W	DW	DRK
P81,P82	DW	DW	W	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

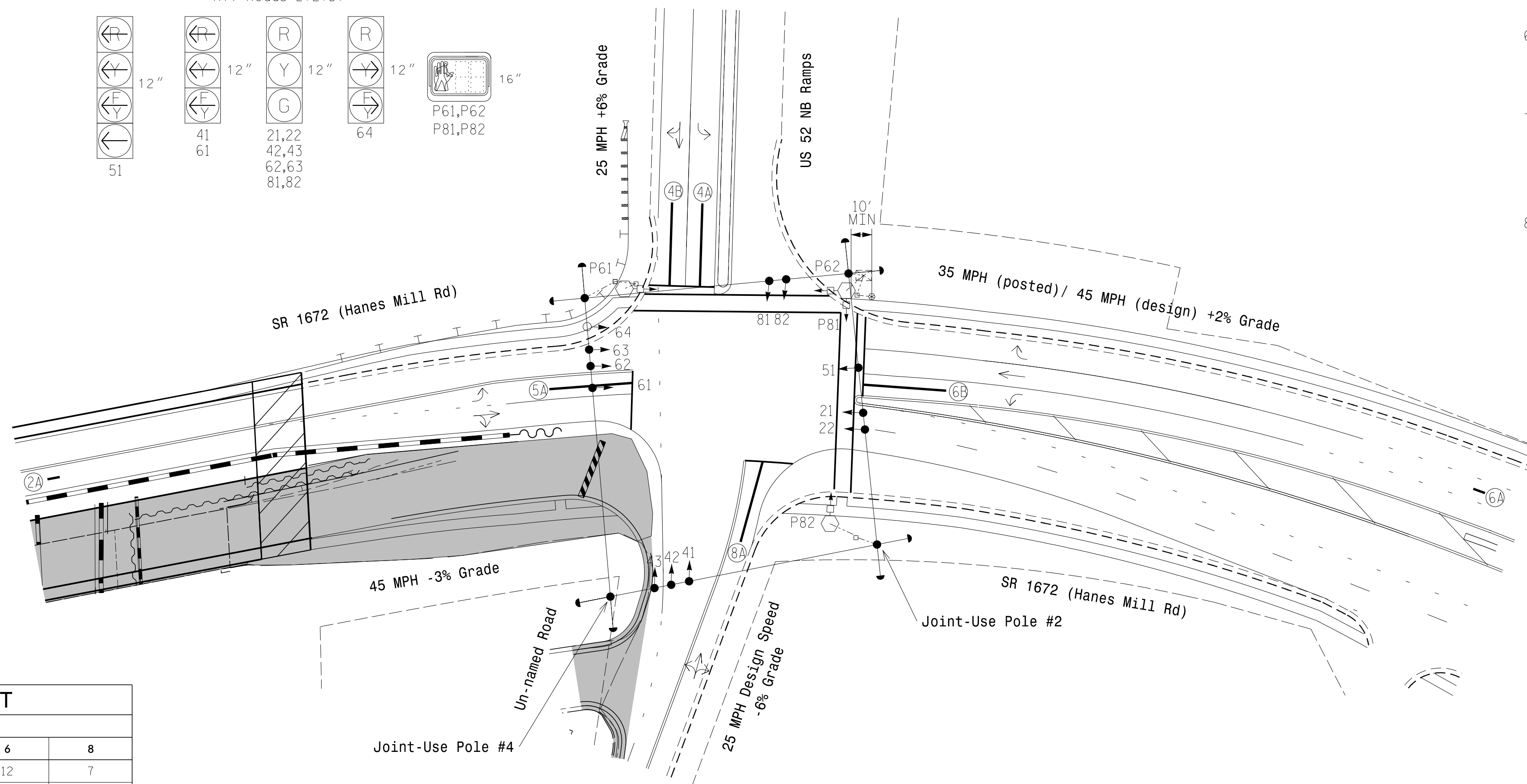
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
2A*	6X6	300	*	*	2	Y	Y	-	-	-	-	*
4A*	6X40	0	*	*	4	Y	Y	-	-	3	-	*
4B*	6X40	0	*	*	4	Y	Y	-	-	10	-	*
5A*	6X40	0	*	*	5	Y	Y	-	-	15**	-	*
6A*	6X6	300	*	*	2#	Y	Y	Y	-	3	-	*
6B*	6X40	0	*	*	6	Y	Y	Y	-	3	-	*
8A*	6X40	0	*	*	8	Y	Y	-	-	10	-	*

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

3 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 5 may be lagged.
- Reposition existing signal heads numbered 21,22,51, 61,62 and 63.
- Set all detector units to presence mode.
- 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.



OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1 *	12	7	7	12	7
Extension 1 *	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	90	25	25	90	25
Yellow Clearance	4.8	3.5	3.0	4.8	3.5
Red Clearance	1.6	3.2	2.3	1.6	3.2
Walk 1 *	-	-	-	7	7
Don't Walk 1	-	-	-	26	24
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	-	ON	-	-	ON
Simultaneous Gap	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 | ● Traffic Signal Head |
| ● Modified Signal Head | N/A |
| ○ Sign | ○ Sign |
| ○ Pedestrian Signal Head With Push Button & Sign | ○ Pedestrian Signal Head With Push Button & Sign |
| ○ Signal Pole with Guy | ○ Signal Pole with Guy |
| ○ Signal Pole with Sidewalk Guy | ○ Signal Pole with Sidewalk Guy |
| □ Inductive Loop Detector | □ Inductive Loop Detector |
| □ Controller & Cabinet | □ Controller & Cabinet |
| □ Junction Box | □ Junction Box |
| --- 2-in Underground Conduit | --- 2-in Underground Conduit |
| N/A Right of Way | --- Right of Way |
| N/A Directional Arrow | → Directional Arrow |
| N/A Guardrail | — Guardrail |
| Construction Zone | Construction Zone |
| Portable Concrete Barrier | Portable Concrete Barrier |
| Video Detection Zone | Video Detection Zone |
| ○ Type II Signal Pedestal | ○ Type II Signal Pedestal |
| ⊕ Type I Pushbutton Post | ⊕ Type I Pushbutton Post |

Signal Upgrade - Temporary Design 5 (TMP Phase V)

		SR 1672 (Hanes Mill Rd) at US 52 NB Ramps		
		Division 9 Forsyth County Winston-Salem PLAN DATE: March 2023 REVIEWED BY: RW Thompson PREPARED BY: LD Stouchko REVIEWED BY:	REVISIONS INIT. DATE	
750 N. Greenfield Pkwy, Garner, NC 27529 7621 Purfoy Road Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-0663		SCALE 0 40' 1"=40'		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RUSSELL W. THOMPSON 032711 A198563984404 DATE SIG. INVENTORY NO. 09-110515