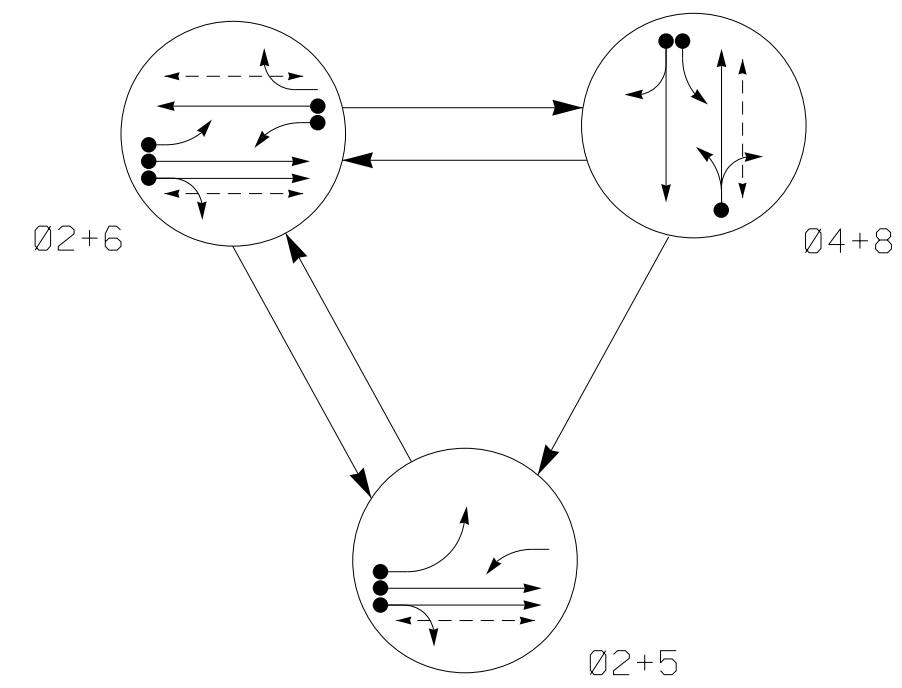
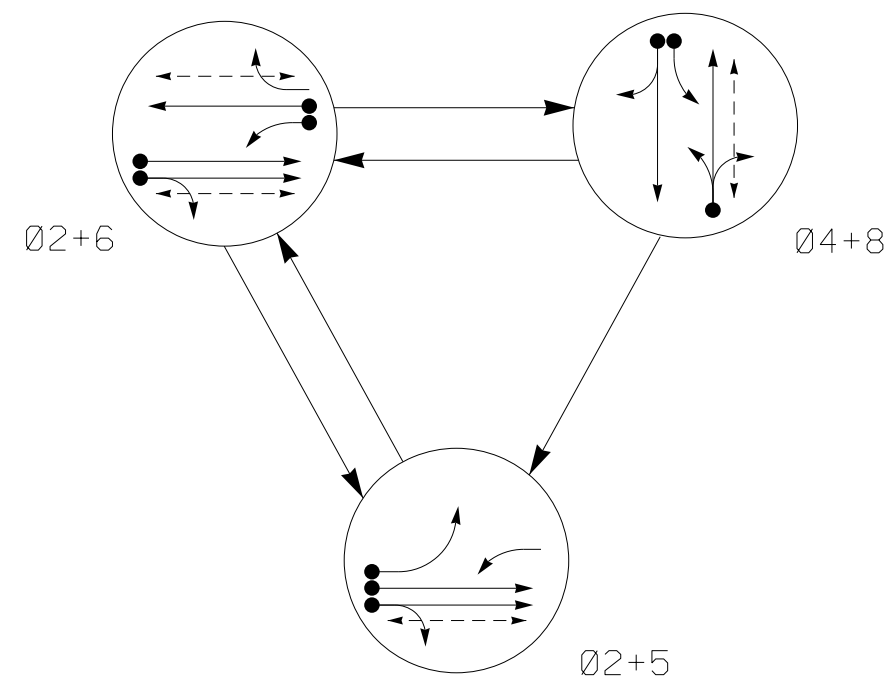


DEFAULT PHASING DIAGRAM



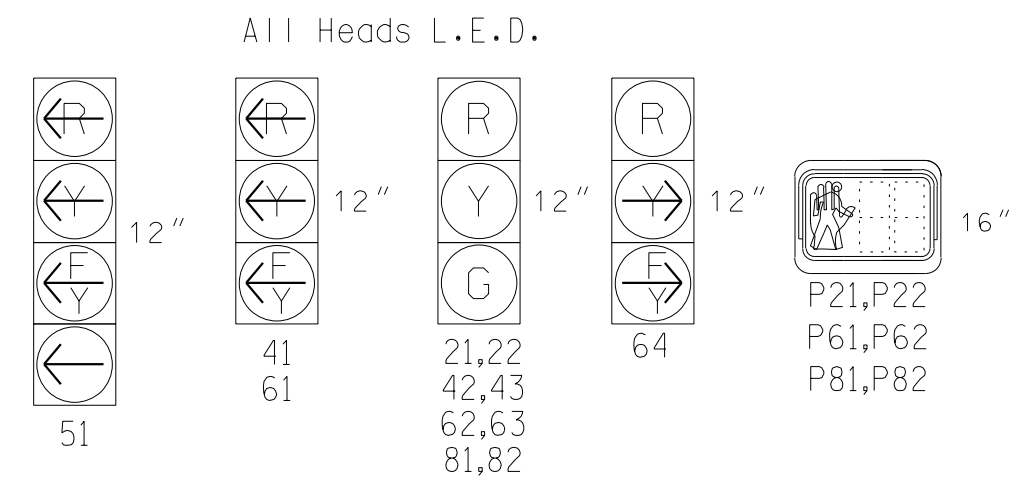
ALTERNATE PHASING DIAGRAM



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
P21,P22	W	W	DW	DRK
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
P21,P22	W	W	DW	DRK
P61,P62	DW	W	DW	DRK
P81,P82	DW	DW	W	DRK

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

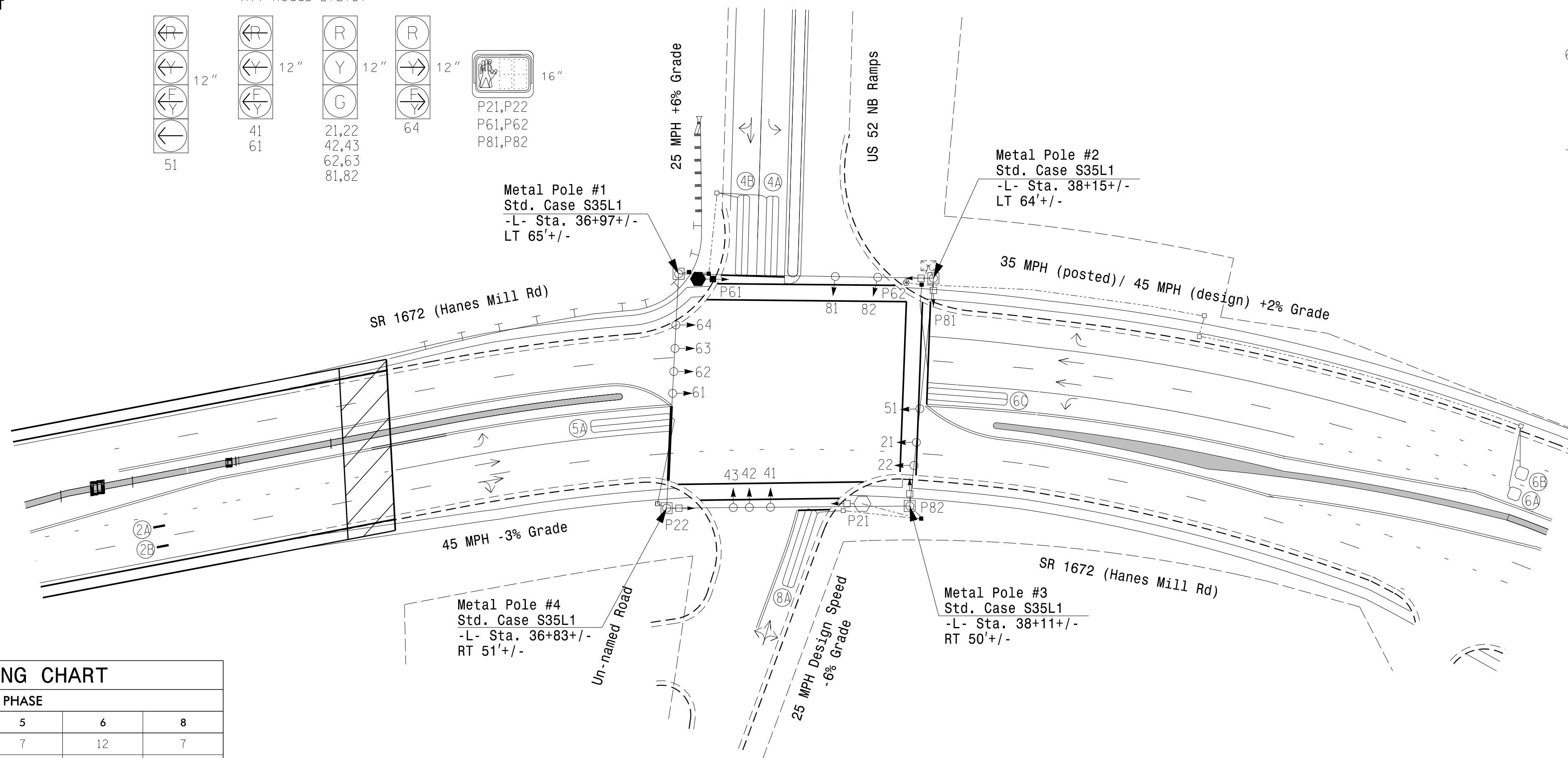
LOOP/ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING EXTENSION	FULL TIME DELAY	STRETCH TIME			
2A*	6X6	300	*	*	2	Y	Y	-	-	-	*
2B*	6X6	300	*	*	2	Y	Y	-	-	-	*
4A	6X40	0	2-4-2	Y	4	Y	Y	-	-	-	Y
4B	6X40	0	2-4-2	Y	4	Y	Y	-	-	10	Y
5A	6X40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

- * 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.
- 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.



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 |
| ○ → Guardrail | ○ → N/A |
| ○ → Construction Zone | ○ → N/A |
| ○ → Video Detection Zone | ○ → N/A |
| ○ → Type II Signal Pedestal | ○ → N/A |
| ○ → Type I Pushbutton Post | ○ → N/A |
| ○ → Metal Strain Pole | ○ → N/A |

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	1.8	3.3	3.2	1.8	3.3
Walk 1 *	7	-	-	7	7
Don't Walk 1	21	-	-	26	24
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	-	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.

Signal Upgrade - Temporary Design 6 (TMP Phase VI)

MOTT MACDONALD
7621 Purfoy Road
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Fuquay-Varina, NC 27526
www.mottmac.com
License No. F-0663

TRANSPORTATION MOBILITY AND SAFETY DIVISION
DEPARTMENT OF TRANSPORTATION
SIGNAL DESIGN SECTION

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE
0 40'
1"=40'

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
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SIGNATURE
DATE
SIG. INVENTORY NO. 09-110516