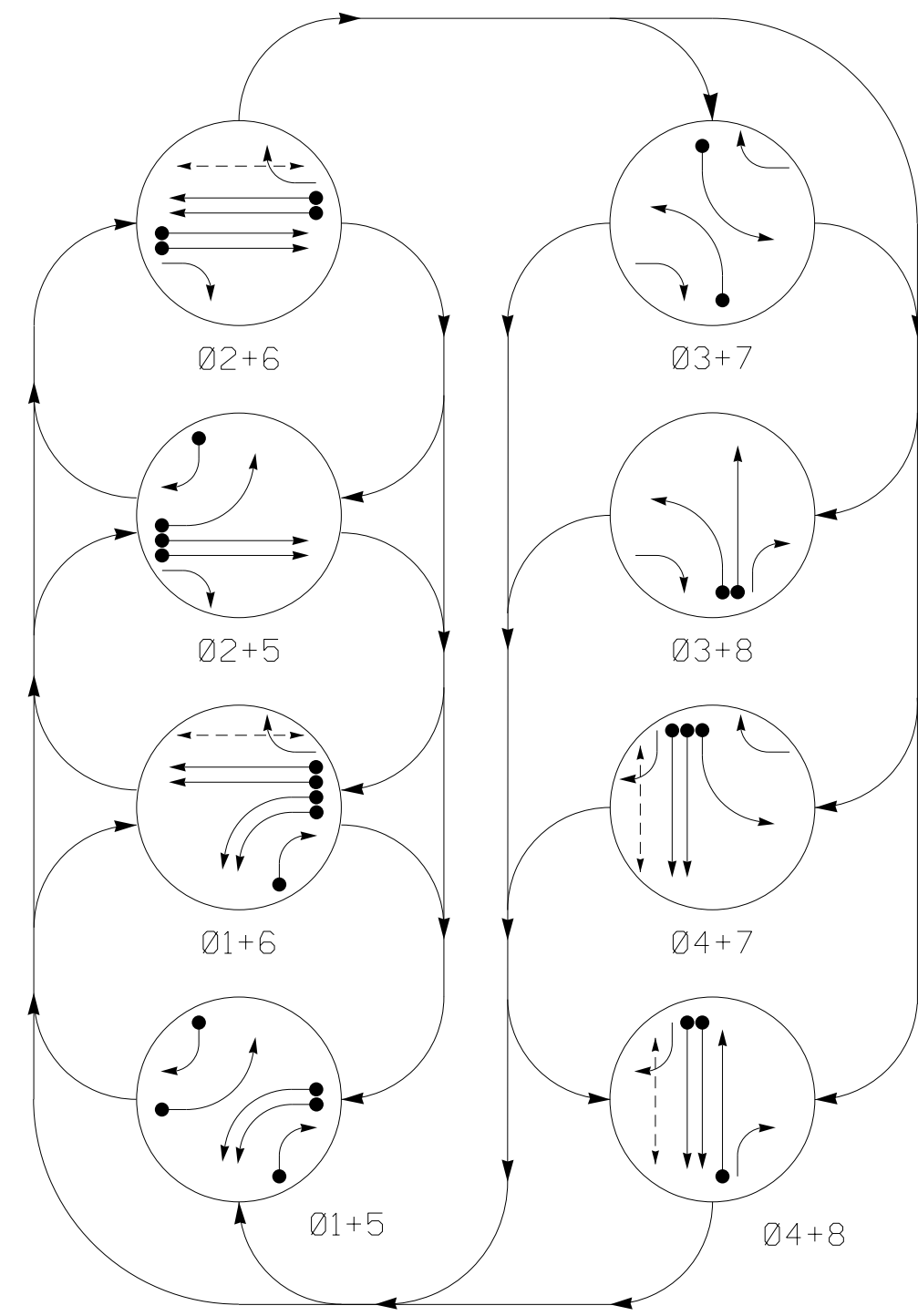
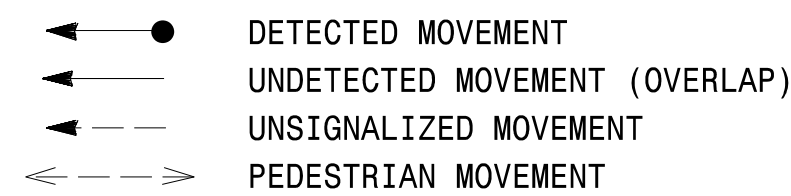


PHASING DIAGRAM



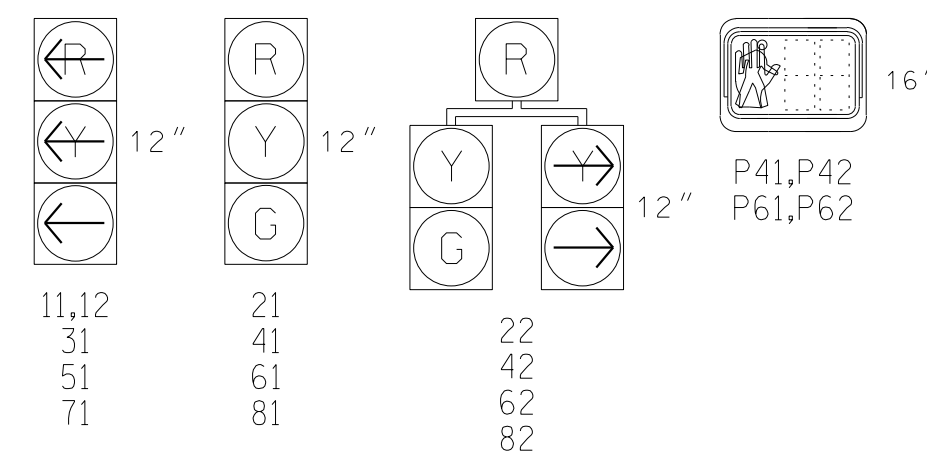
PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11,12	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41	R	R	R	R	R	R	G	G
42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81	R	R	R	R	R	G	R	G
82	R	R	R	R	R	G	R	G
P41,P42	DW	DW	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK

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				STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY				
1A*	6X40	0	*	*	1	Y	Y	-	-	3	-	*
1B*	6X40	0	*	*	1	Y	Y	-	-	-	-	*
1C*	6X40	0	*	*	1	Y	Y	-	-	15	-	*
2A*	6X6	300	*	*	2	Y	Y	-	-	-	-	*
2B*	6X6	300	*	*	2	Y	Y	-	-	-	-	*
3A*	6X40	0	*	*	3	Y	Y	-	-	3	-	*
4A*	6X40	0	*	*	4	Y	Y	-	-	-	-	*
4B*	6X40	0	*	*	4	Y	Y	-	-	-	-	*
5A*	6X40	0	*	*	5	Y	Y	-	-	3	-	*
5B*	6X40	0	*	*	5	Y	Y	-	-	15	-	*
6A*	6X6	300	*	*	6	Y	Y	-	-	-	-	*
6B*	6X6	300	*	*	6	Y	Y	-	-	-	-	*
7A*	6X40	0	*	*	7	Y	Y	-	-	3	-	*
8A*	6X6	0	*	*	8	Y	Y	-	-	-	-	*

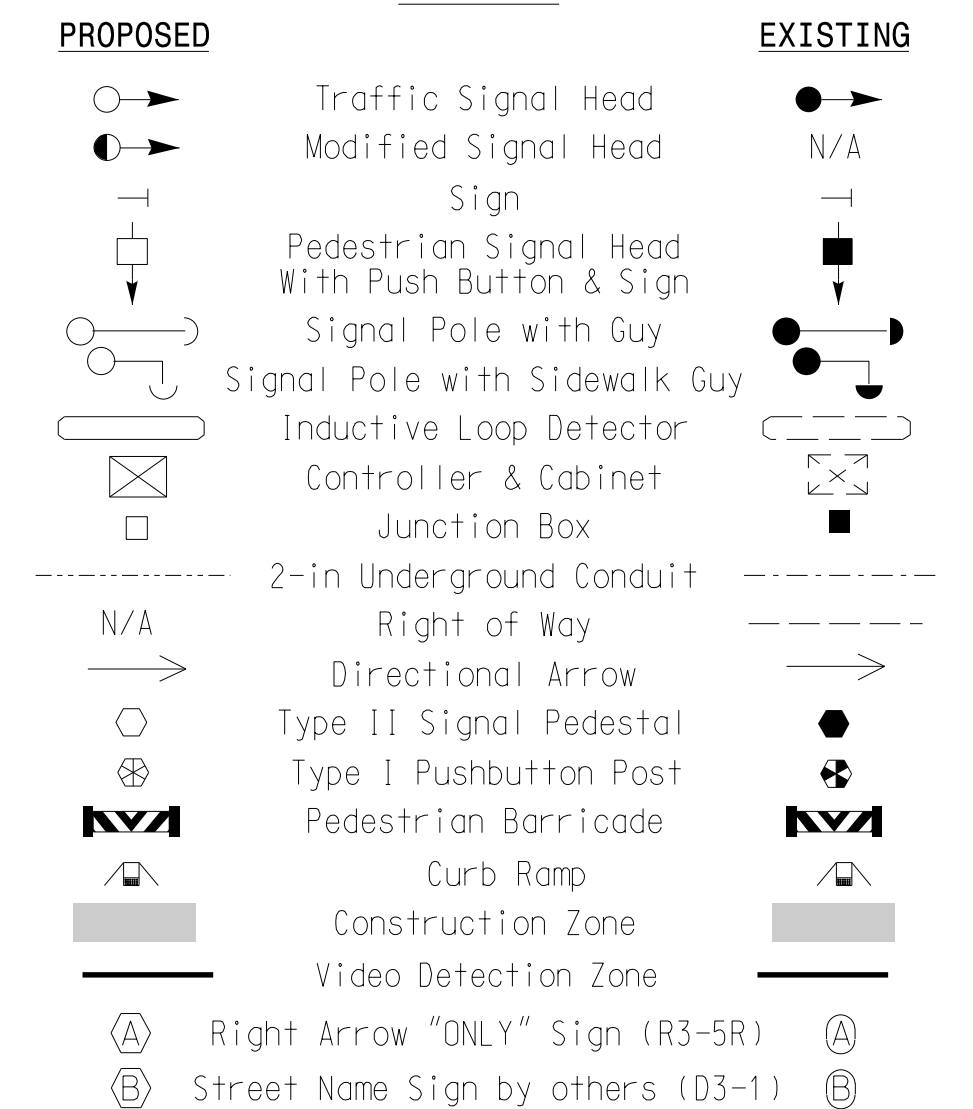
* Video Detection Zone

8 Phase Fully Actuated (Winston-Salem Signal System)

NOTES

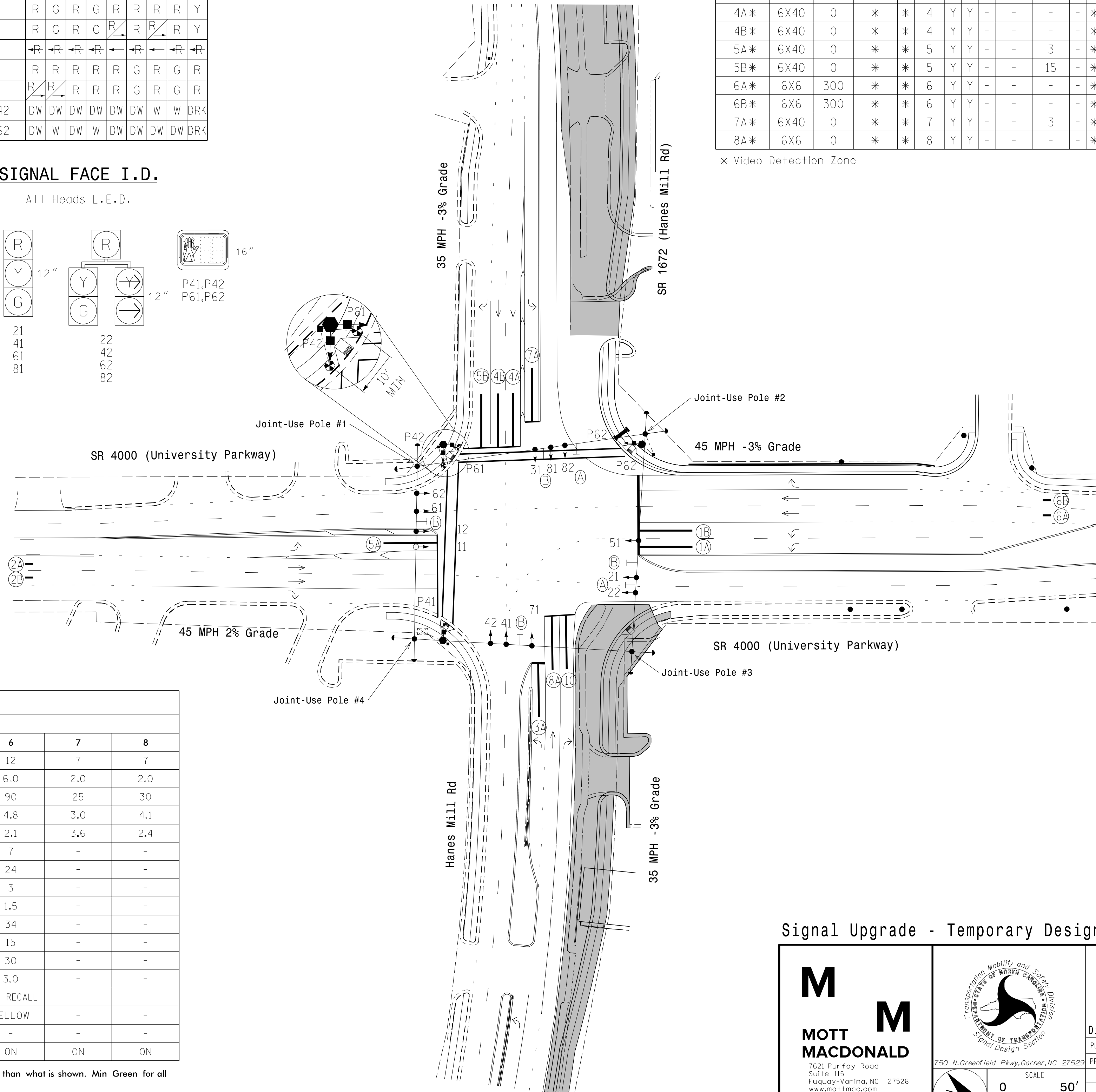
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- 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 21,22,31, 51,81 and 82.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



OASIS 2070 TIMING CHART								
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	25	90	25	30	25	90	25	30
Yellow Clearance	3.0	4.3	3.0	4.1	3.0	4.8	3.0	4.1
Red Clearance	3.5	1.6	3.6	2.4	3.3	2.1	3.6	2.4
Walk 1 *	-	-	-	7	-	7	-	-
Don't Walk 1	-	-	-	32	-	24	-	-
Advanced Walk *	-	-	-	3	-	3	-	-
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	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 3 (TMP Phase IV)

MOTT MACDONALD
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License No. F-0669

TRANSPORTATION MOBILITY AND SAFETY DIVISION
DEPARTMENT OF TRANSPORTATION
STATE OF NORTH CAROLINA
Signal Design Section

750 N. Greenfield Pkwy, Garner, NC 27529
SCALE
0 50'
1"=50'

SR 4000 (University Parkway)
at
SR 1672 (Hanes Mill Rd)

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
SEAL 032711
RUSSELL W. THOMPSON
Russell W. Thompson
11868398404
SIGNATURE DATE
SIG. INVENTORY NO. 09-055713