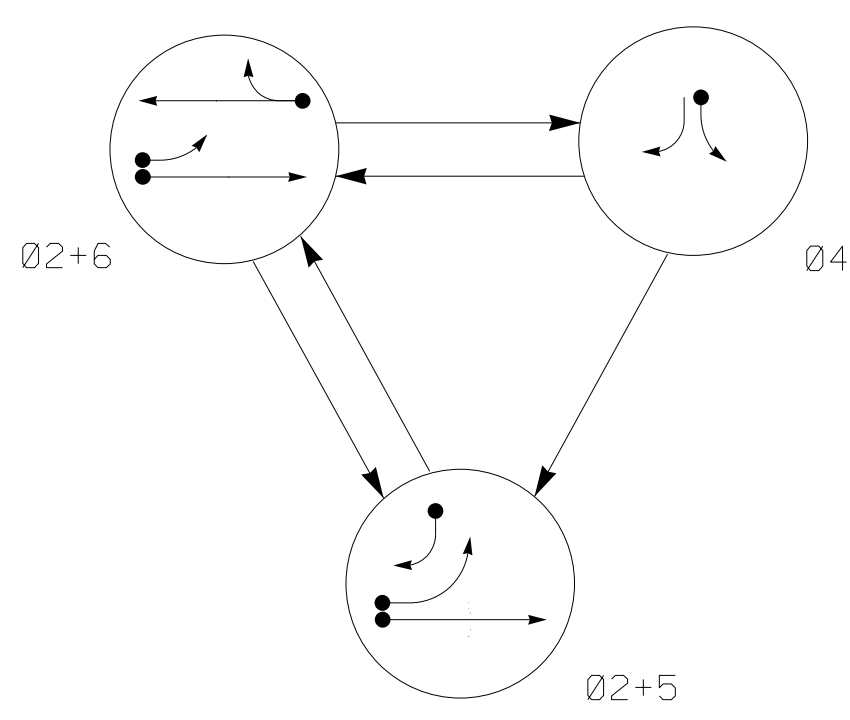


3 Phase Fully Actuated NC 8 (Winston Road) CLS Signal System #:D09-19.Lexington

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
6. The Division Traffic Engineer will determine the hours of use for each phasing plan.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Install new controller in existing cabinet.

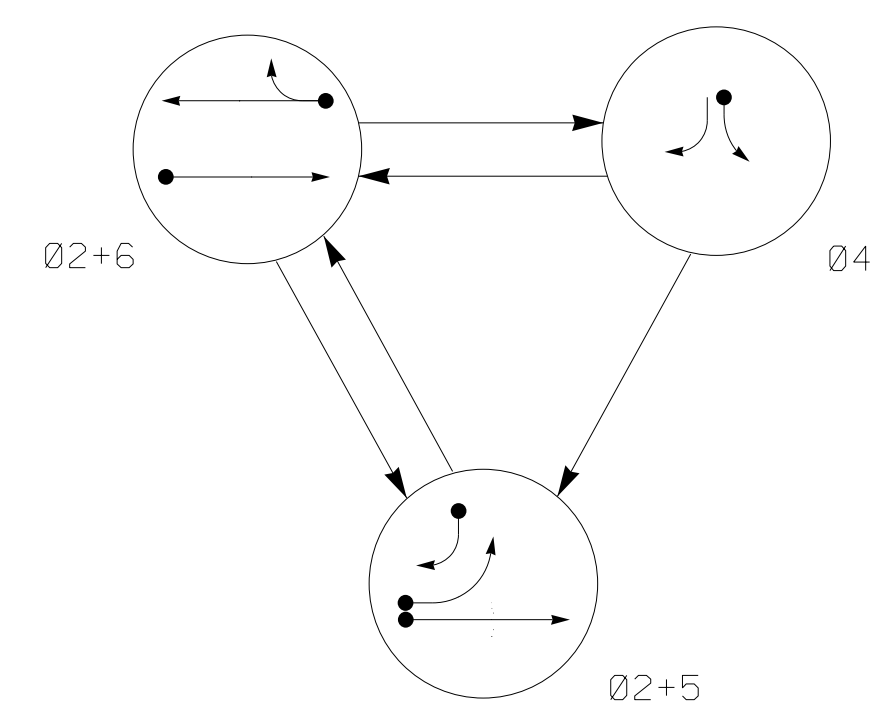
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F LASH
21,22	G	G	R	Y
41	R	R	L	R
42,43	-	R	-	R
51	L	R	R	Y
61,62	R	G	R	Y

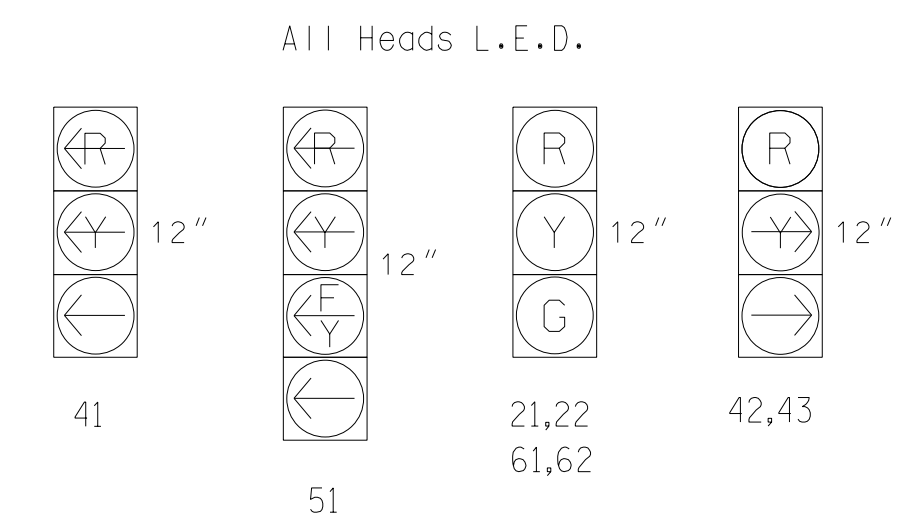
ALTERNATE PHASING DIAGRAM



ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	F LASH
21,22	G	G	R	Y
41	R	R	L	R
42,43	-	R	-	R
51	L	R	R	Y
61,62	R	G	R	Y

SIGNAL FACE I.D.



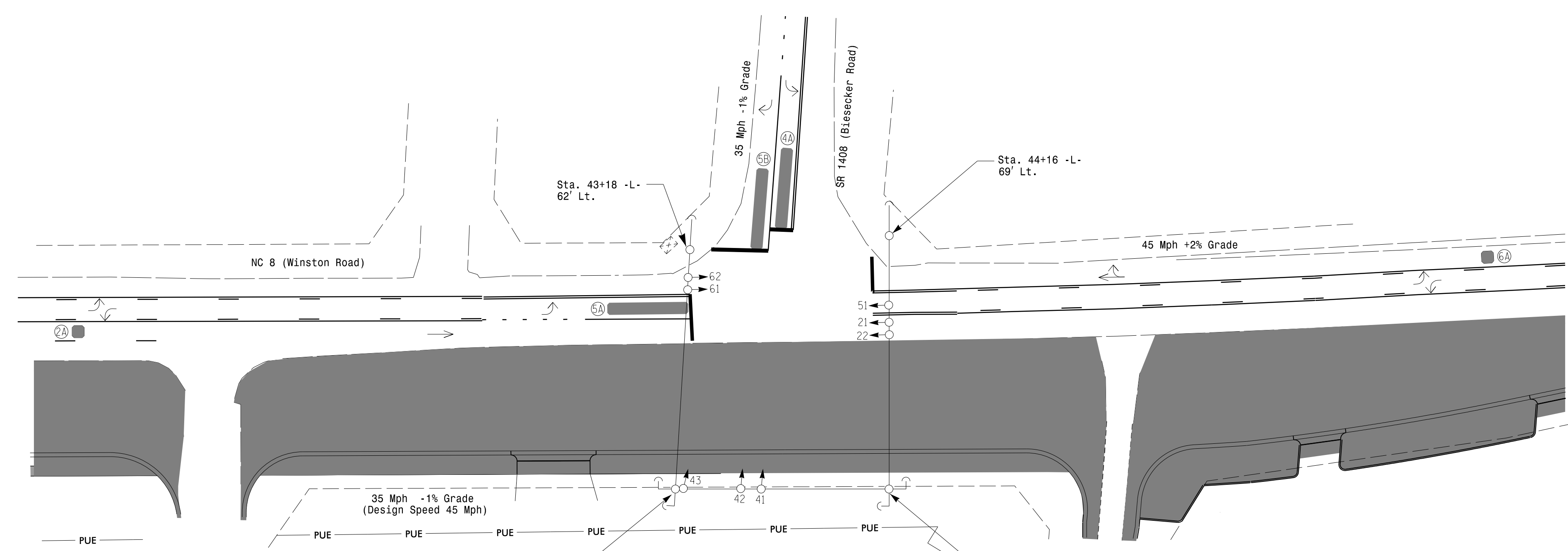
MAXTIME DETECTOR INSTALLATION CHART

ZONE	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW ZONE	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A*	6X6	300	*	X	2	-	-	X	X	X	-	-
4A*	6X40	0	*	X	4	3.0	-	X	-	X	-	-
5A*	6X40	0	*	X	5	15.0**	-	X	-	X	-	-
5B*	6X40	0	*	X	5	15.0	-	X	-	X	-	-
6A*	6X6	300	*	X	6	-	-	X	X	X	-	-

* Video Detection Zone
 ** Reduce delay to 3 sec during alternate phasing operation
 # Disable phase call for loop(s) during alternate phasing operation

PHASING DIAGRAM DETECTION LEGEND

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

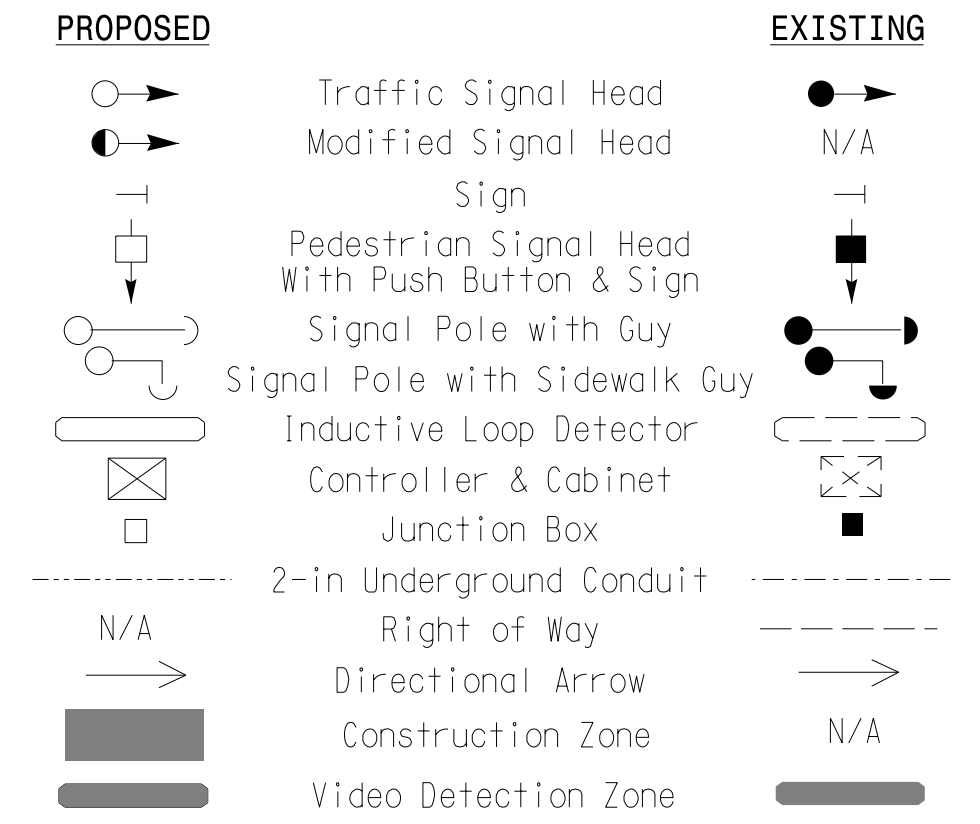


MAXTIME TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green *	12	7	7	12
Passage *	6.0	2.0	2.0	6.0
Max 1 *	35	25	15	35
Yellow Change	4.6	3.0	3.0	4.6
Red Clear	1.2	1.9	1.9	1.2
Added Initial *	2.5	-	-	2.5
Maximum Initial *	34	-	-	34
Time Before Reduction *	15	-	-	15
Time To Reduce *	30	-	-	30
Minimum Gap	3.0	-	-	3.0
Advance Walk	-	-	-	-
Non Lock Detector	-	X	X	-
Vehicle Recall	MIN RECALL	-	-	MIN RECALL
Dual Entry	-	-	-	-

* 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



Signal Upgrade - Temporary Design 1 (TMP Phase I)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

NC 8 (Winston Road) at SR 1406 (Biesecker Road)
 Division 9 Davidson County Lexington
 PLAN DATE: May 2024 REVIEWED BY: G.G. Murr, Jr.
 PREPARED BY: B.E. Wynn REVIEWED BY:
 REVISIONS INIT. DATE

SEAL

 G. Murr, Jr.
 SIGNATURE DATE
 SFG. INVENTORY NO. 09-0400 TII