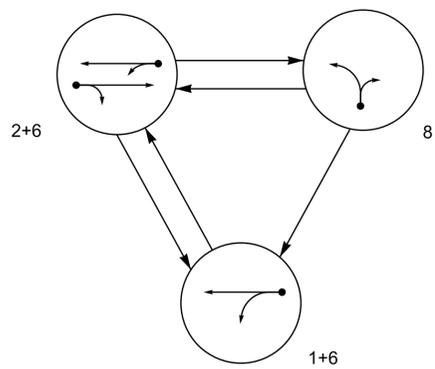


PHASING DIAGRAM



SIGNAL FACE	PHASE		
	1 + 6	2 + 6	8
22, 23	R	G	R
61	G	R	R
62	G	R	R
81, 82, 83	R	R	G

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	6X40	0	2-4-2	X	1	30.0	-	X	-	X	-
2A	6X6	70	4	X	2	-	-	X	-	X	-
6A	6X6	70	4	X	6	-	-	X	-	X	-
8A	6X40	0	2-4-2	X	8	5.0	-	X	-	X	-

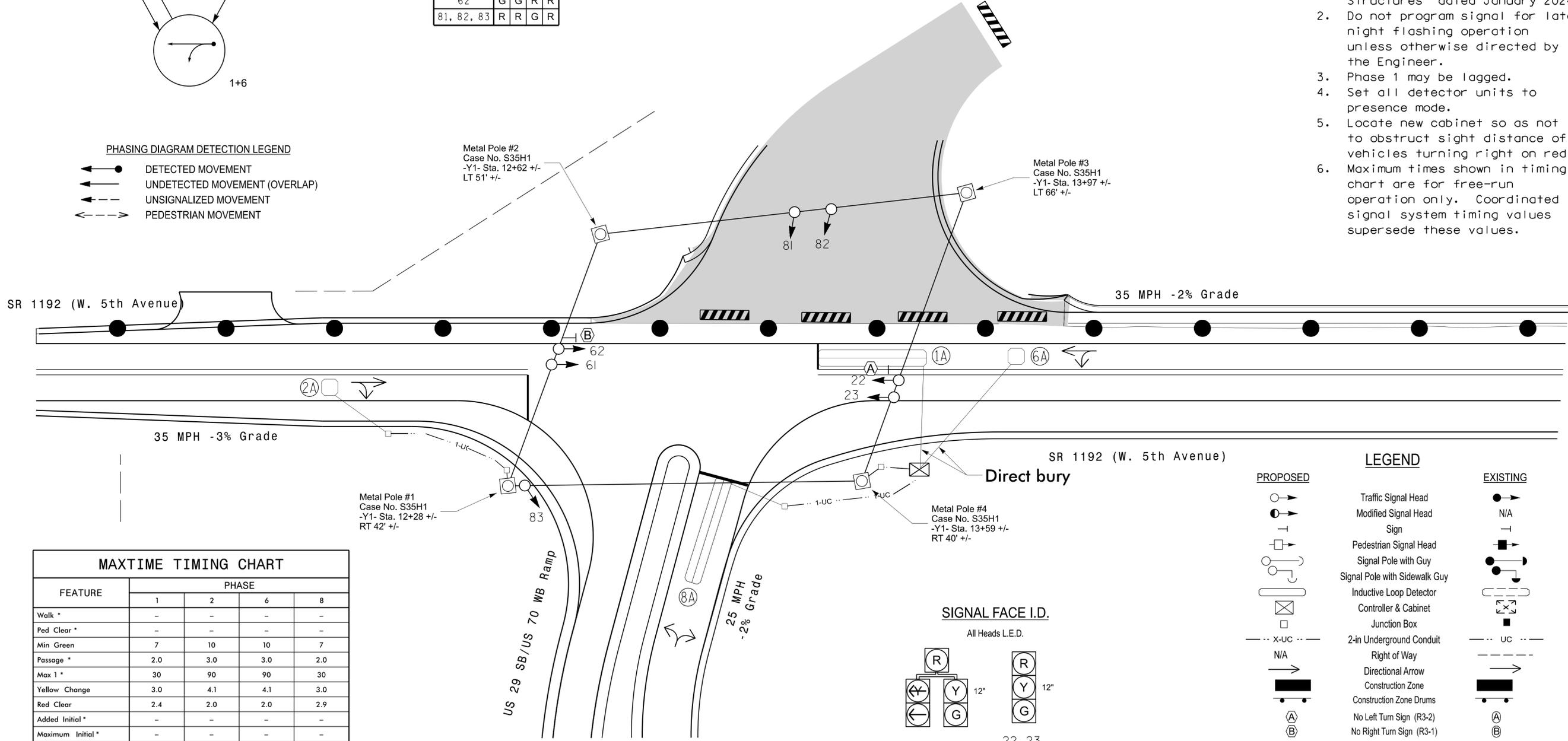
3 Phase Fully Actuated (Old US 64 Closed Loop System) Signal System #: D09-33\_Lexington

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 1 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

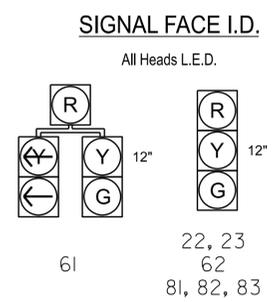
PHASING DIAGRAM DETECTION LEGEND

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



FEATURE	PHASE			
	1	2	6	8
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green	7	10	10	7
Passage *	2.0	3.0	3.0	2.0
Max 1 *	30	90	90	30
Yellow Change	3.0	4.1	4.1	3.0
Red Clear	2.4	2.0	2.0	2.9
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
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.



PROPOSED	LEGEND	EXISTING
○	Traffic Signal Head	●
◐	Modified Signal Head	N/A
◑	Sign	◑
◒	Pedestrian Signal Head	◒
◓	Signal Pole with Guy	◓
◔	Signal Pole with Sidewalk Guy	◔
◕	Inductive Loop Detector	◕
◖	Controller & Cabinet	◖
◗	Junction Box	◗
--- x-UC ---	2-in Underground Conduit	--- UC ---
N/A	Right of Way	---
→	Directional Arrow	→
■	Construction Zone	■
■	Construction Zone Drums	■
(A)	No Left Turn Sign (R3-2)	(A)
(B)	No Right Turn Sign (R3-1)	(B)

New Installation - Temporary Design (TMP Phase 4)

Prepared in the Offices of:  
  
 SR 1192 (W. 5th Avenue) at SR 1239 (Murphy Drive) and US 29 SB/US 70 WB Ramp  
 Division 9 Davidson County In Lexington  
 PLAN DATE: February 2025 REVIEWED BY:  
 PREPARED BY: I. O. Umozurike REVIEWED BY:  
 REVISIONS INIT. DATE  
 SCALE 1"=20'  
 0 20  
 1"=20'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
  
 ROBERT J. ZIEMBA  
 ENGINEER  
 02/27/2025  
 DATE  
 SIG. INVENTORY NO. 09-0993T

6:48:26 10/28/2024  
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