

PHASING DIAGRAM

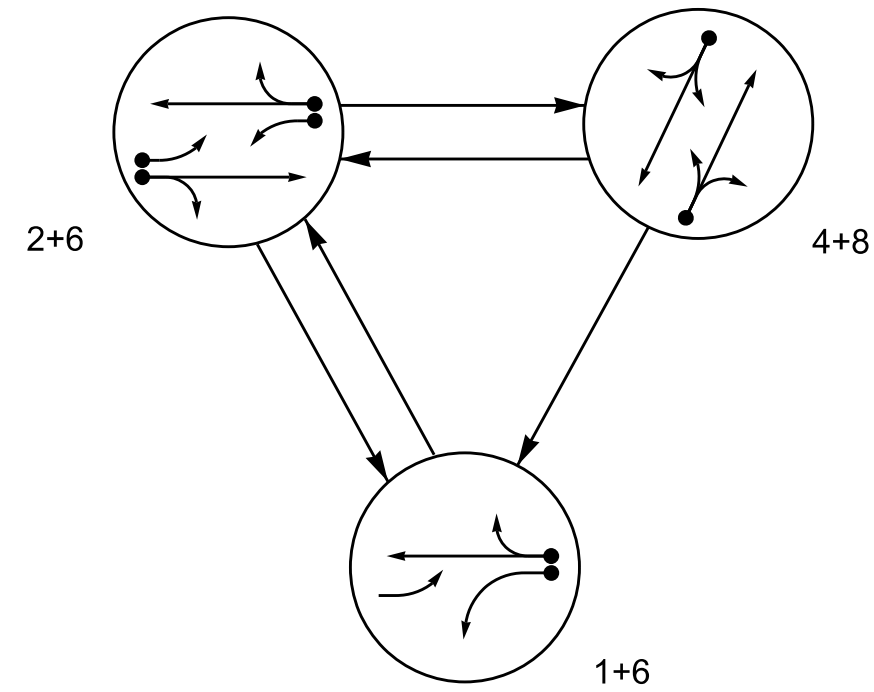


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	1 + 6	2 + 6	4 + 8	F L A S H
11	←	$\overline{E}$ Y	R	$\overline{R}$
21	$\overline{E}$ Y	$\overline{E}$ Y	R	$\overline{R}$
22, 23	R	G	R	R
41, 42, 43	R	R	G	R
61, 62	G	G	R	R
81, 82, 83	R	R	G	R

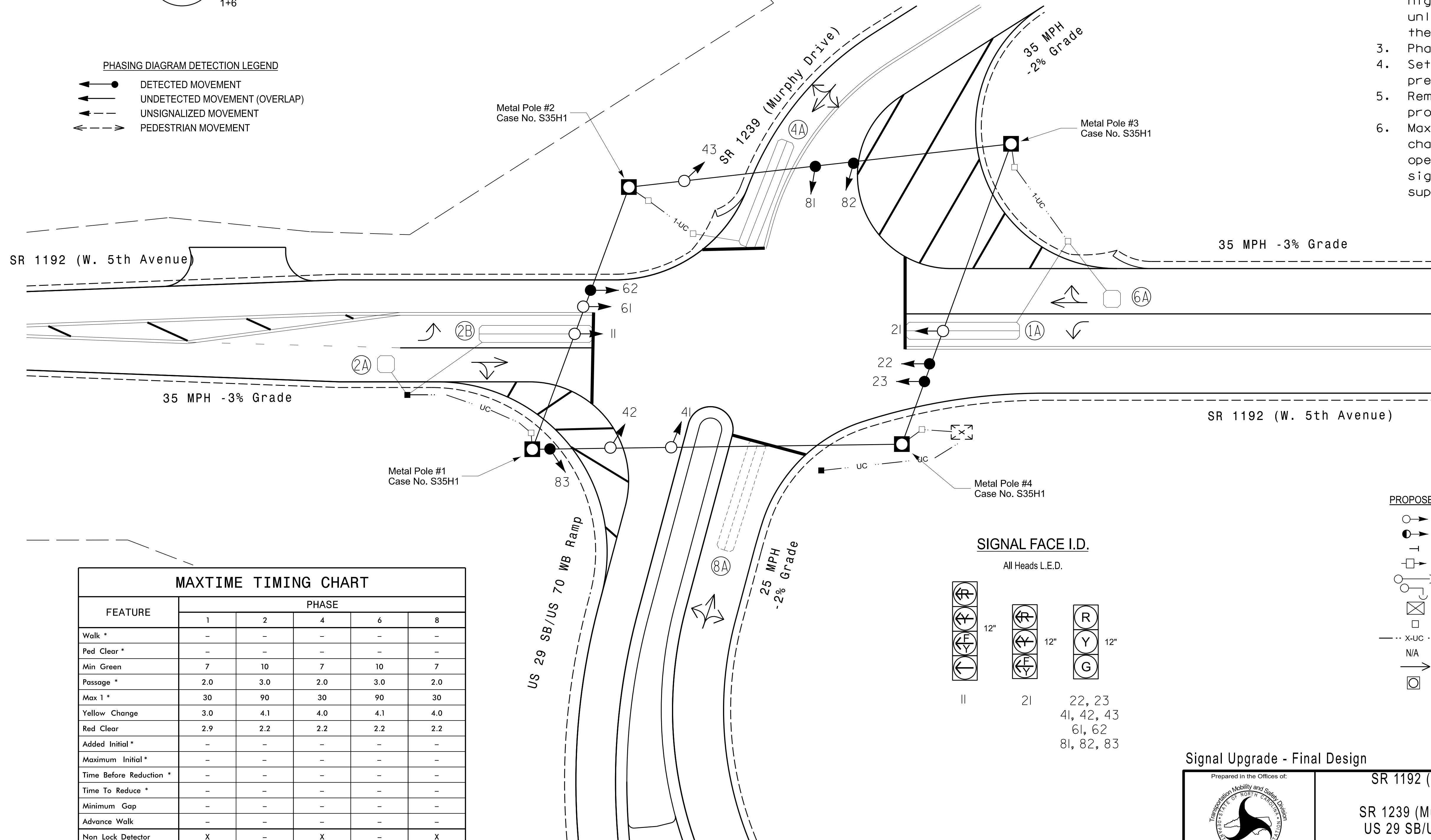
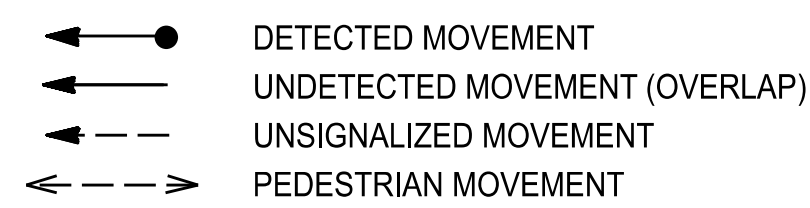
MAXTIME DETECTOR INSTALLATION CHART

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	NEW CABO
1A	6X40	0	2-4-2	X	1	15.0	-	X	-	X	-	X
2A	6X6	70	4	X	6	-	-	X	-	X	-	X
2B	6X40	0	2-4-2	X	2	-	-	X	-	X	-	X
4A	6X40	0	2-4-2	X	4	5.0	-	X	-	X	-	X
6A	6X6	70	4	X	6	-	-	X	-	X	-	X
8A	6X60	0	2-4-2	-	8	5.0	-	X	-	X	-	X

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. Remove exsiting turn prohibition signs.
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



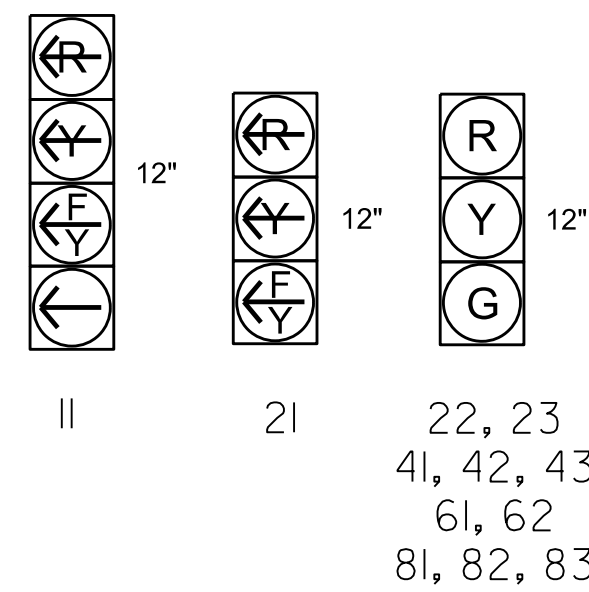
MAXTIME TIMING CHART

MAXTIME TIMING CHART					
FEATURE	PHASE				
	1	2	4	6	8
Walk *	–	–	–	–	–
Ped Clear *	–	–	–	–	–
Min Green	7	10	7	10	7
Passage *	2.0	3.0	2.0	3.0	2.0
Max I *	30	90	30	90	30
Yellow Change	3.0	4.1	4.0	4.1	4.0
Red Clear	2.9	2.2	2.2	2.2	2.2
Added Initial *	–	–	–	–	–
Maximum Initial *	–	–	–	–	–
Time Before Reduction *	–	–	–	–	–
Time To Reduce *	–	–	–	–	–
Minimum Gap	–	–	–	–	–
Advance Walk	–	–	–	–	–
Non Lock Detector	X	–	X	–	X
Vehicle Recall	–	MIN RECALL	–	MIN RECALL	–
Dual Entry	–	–	X	–	X

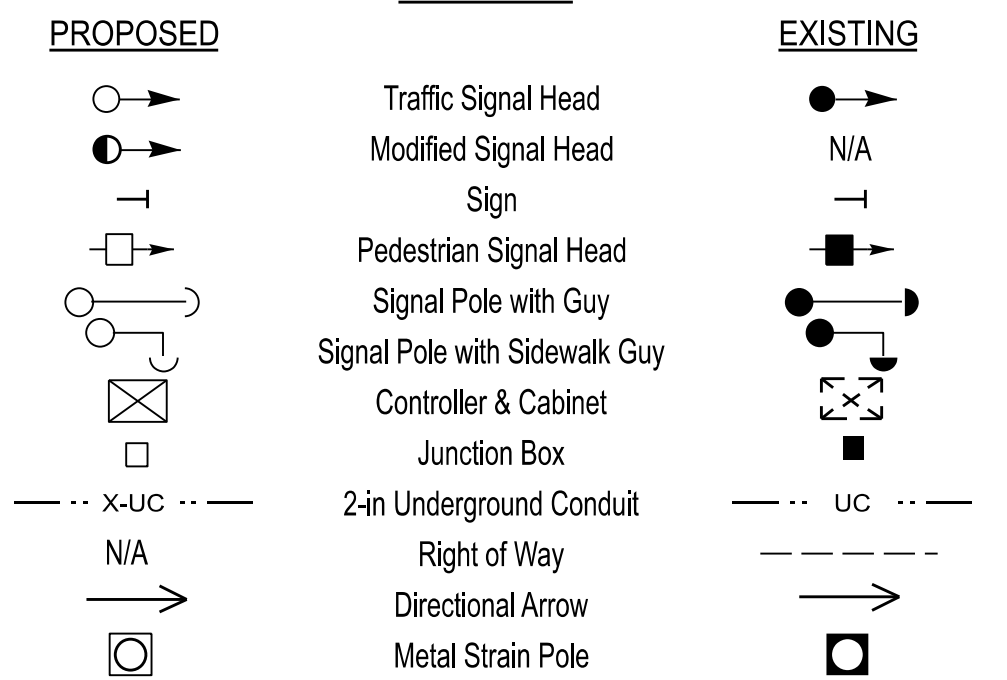
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SIGNAL FACE I.D.

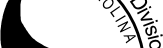
All Heads L.E.D.



LEGEND



Signal Upgrade - Final Design

Prepared in the Offices of: 	SR 1192 (W. 5th Avenue) at SR 1239 (Murphy Drive) and US 29 SB/US 70 WB Ramp	SEAL 																																	
Division 9 Davidson County In Lexington																																			
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">PLAN DATE: February 2025</td> <td style="width: 33%; border: none;">REVIEWED BY:</td> <td style="width: 33%; border: none;"></td> </tr> <tr> <td style="width: 33%; border: none;">PREPARED BY: I. O. Umozurike</td> <td style="width: 33%; border: none;">REVIEWED BY:</td> <td style="width: 33%; border: none;"></td> </tr> </table>			PLAN DATE: February 2025	REVIEWED BY:		PREPARED BY: I. O. Umozurike	REVIEWED BY:																												
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750 N. Greenfield Pkwy. Garner, NC 27529																																			
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