

DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	02+5	02+6	03	04	FLASH
11	—	—	F	F	R	R
21,22	R	R	G	G	R	R
31	R	R	R	R	C	R
32	R	R	R	R	G	R
41	R	R	R	R	C	R
42	R	R	R	R	G	R
43	—	R	—	R	F	R
51	—	F	—	F	R	R
61,62	R	G	R	G	R	R
P21,P22	DW	DW	W	W	DW	DRK
P31,P32	DW	DW	DW	DW	W	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DRK

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	02+5	02+6	03	04	FLASH
11	—	—	R	R	R	R
21,22	R	R	G	G	R	R
31	R	R	R	R	C	R
32	R	R	R	R	G	R
41	R	R	R	R	C	R
42	R	R	R	R	G	R
43	—	R	—	R	F	R
51	—	R	—	R	F	R
61,62	R	G	R	G	R	R
P21,P22	DW	DW	W	W	DW	DRK
P31,P32	DW	DW	DW	DW	W	DRK
P41,P42	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART

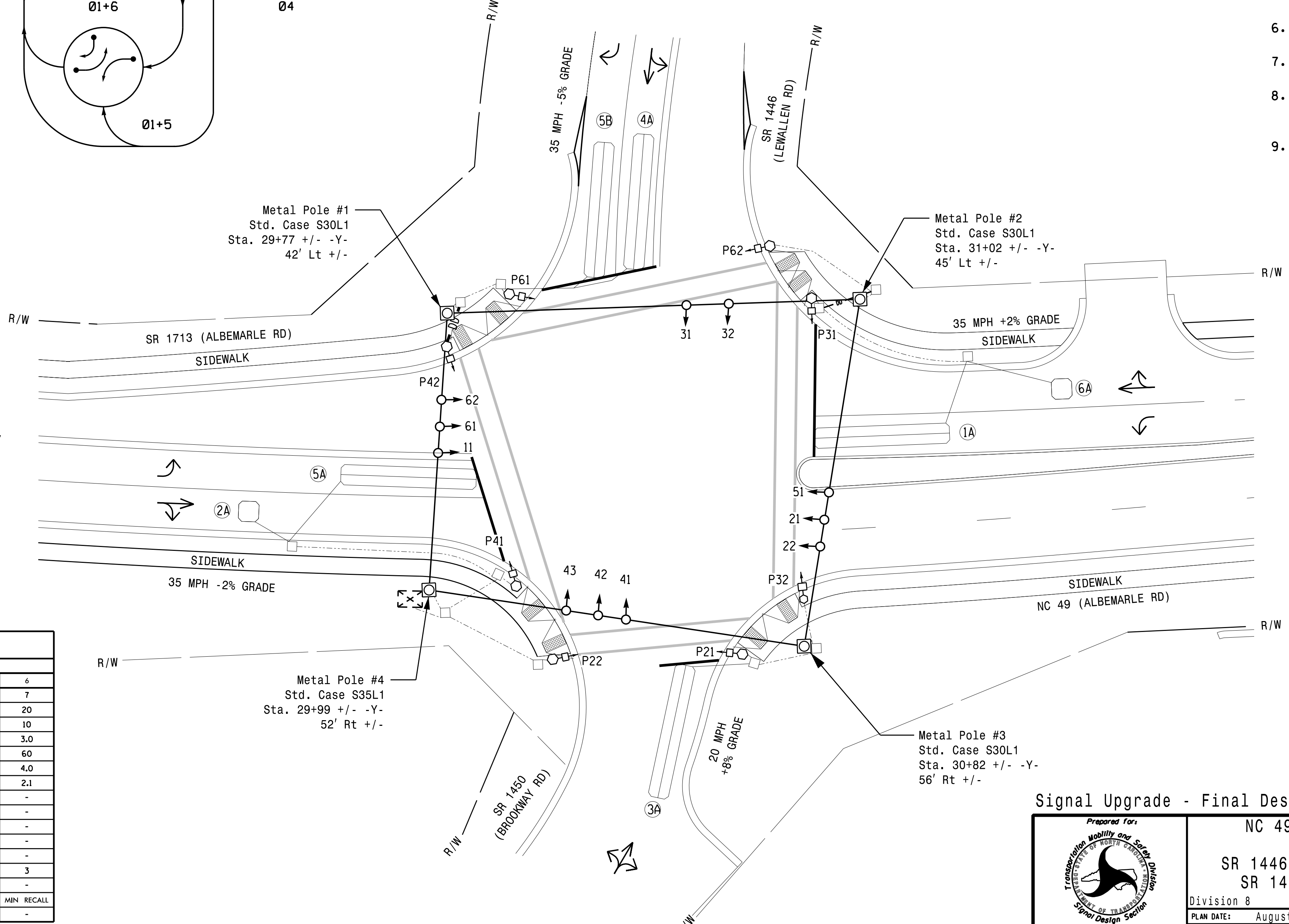
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PROGRAMMING							
				NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL	NEW CARD	
1A	6X40	0	2-4-2	X	1	*15	-	-	X	X	X
2A	6X6	70	4	X	2	-	-	-	X	X	X
3A	6X40	0	2-4-2	X	3	10	-	-	X	X	X
4A	6X40	0	2-4-2	X	4	3	-	-	X	X	X
5A	6X40	0	2-4-2	X	5	*15	-	-	X	X	X
5B	6X40	0	2-4-2	X	5	15	-	-	X	X	X
6A	6X6	70	3	X	6	-	-	-	X	X	X

6 Phase Fully Actuated Signal System #D08-29_Asheboro US 64 Bus-NC 49 (Asheboro)

NOTES

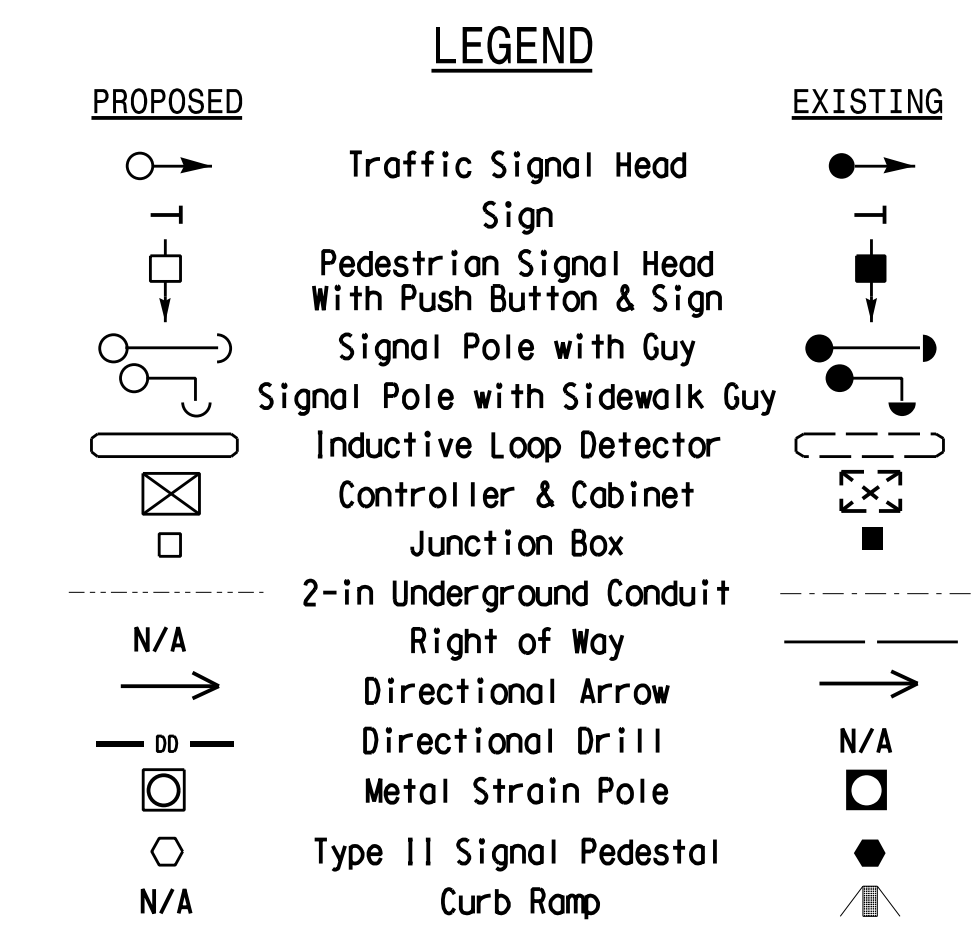
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 5 may be lagged.
- The order of phase 3 and 4 may be reversed.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.

* Disable Delay for Alternate Phasing Operation.
* Disable phase call during Alternate Phasing operation.



MAXTIME TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	-	7	7	7	-	7
Ped Clear *	-	10	23	18	-	20
Min Green	7	10	7	7	7	10
Passage *	2.0	3.0	2.0	2.0	2.0	3.0
Max I *	20	60	20	30	20	60
Yellow Change	3.0	4.0	3.0	4.2	3.0	4.0
Red Clear	2.8	2.1	3.4	2.2	2.8	2.1
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Advance Walk	-	3	3	3	-	3
Non Lock Detector	X	-	X	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.

Signal Upgrade - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for: **NC 49 (Albemarle Rd) at SR 1446 (Lewallen Rd) and SR 1450 (Brookway Rd)**

Division 8 Randolph County Asheboro

PLAN DATE: August 2021 REVIEWED BY: A.D. Klinsky

PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

750 N. Greenfield Pkwy, Garner, NC 27529

REVISIONS: INITI. DATE

DocuSigned by: **Nelasha R. Simmons** 5/21/2024

SIGNATURE DATE

SIG. INVENTORY NO. 08-0246

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