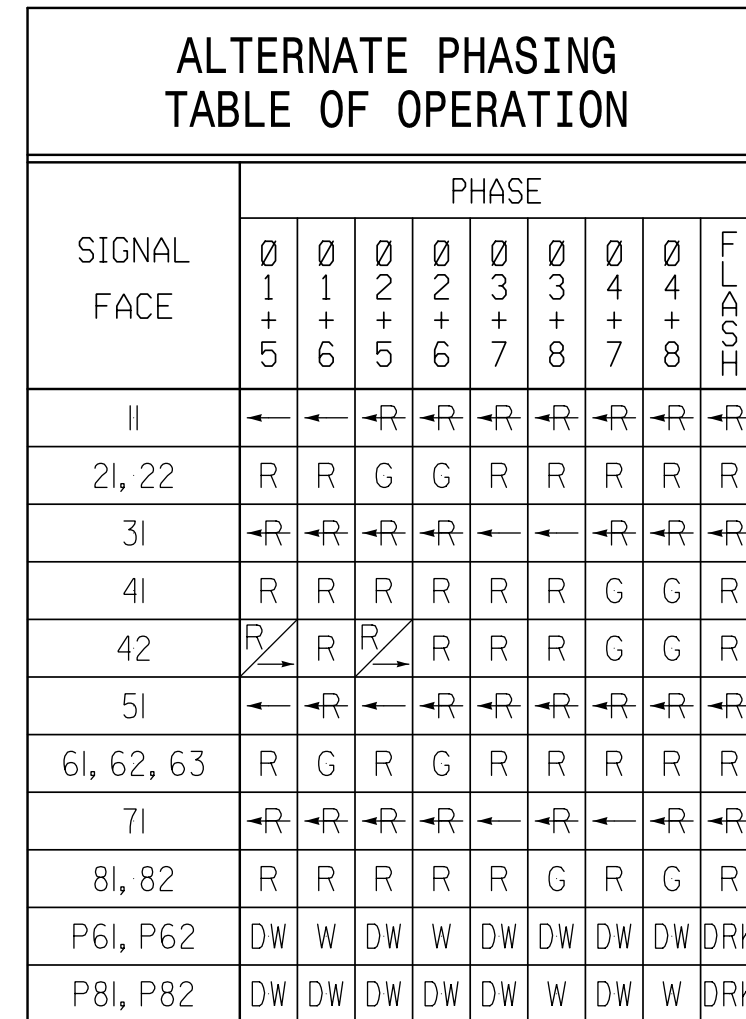
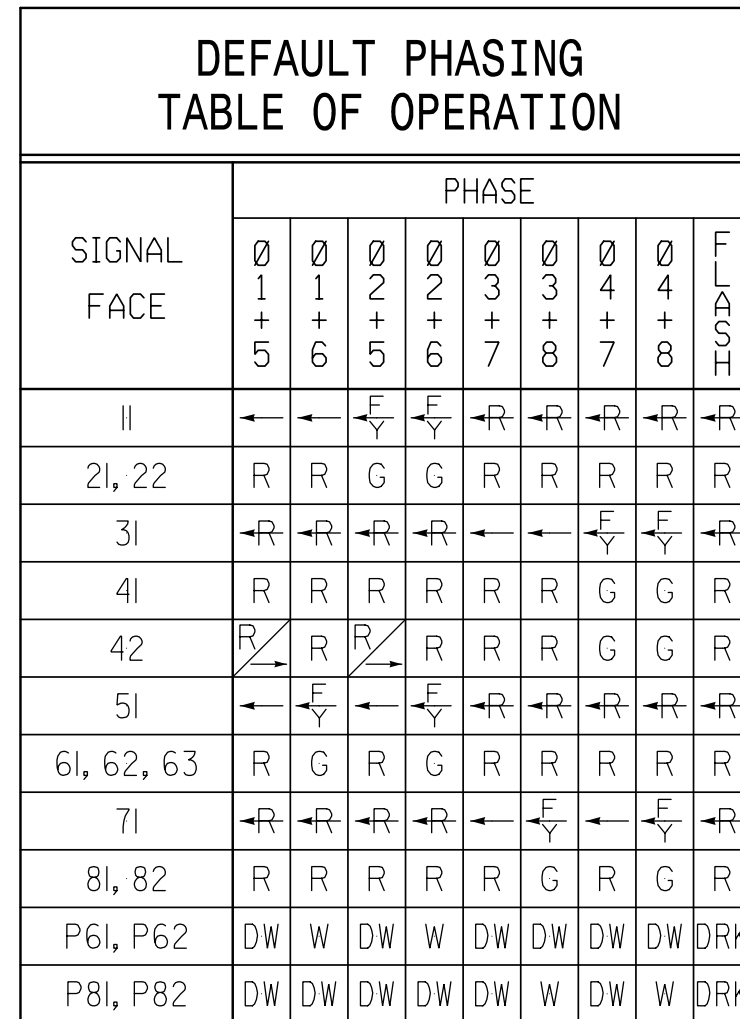


ALTERNATE PHASING DIAGRAM

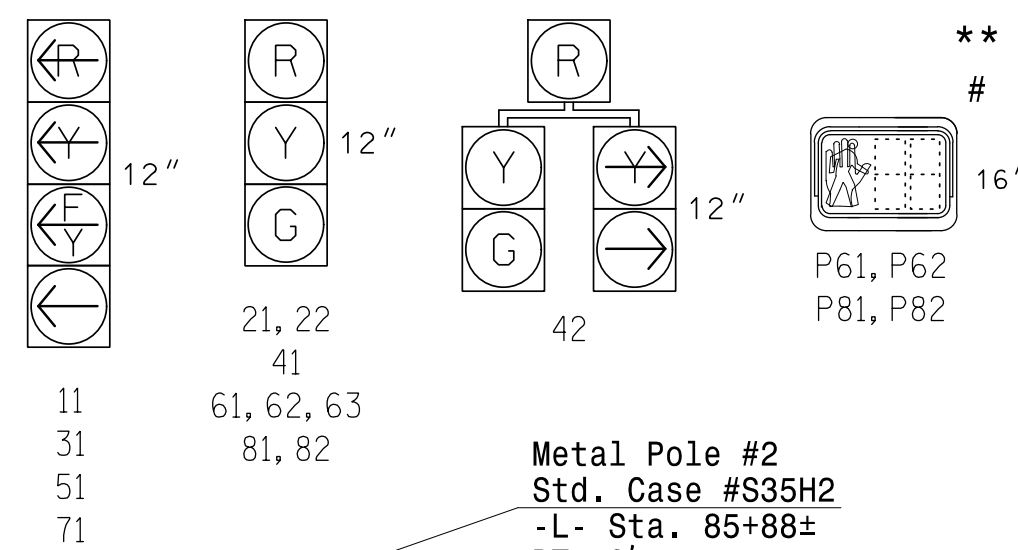


DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	6X40	0	*	X	1	15**	-	X	-	X	-	*
					6#	-	-	X	-	X	-	*
3A	6X40	0	*	X	3	15**	-	X	-	X	-	*
					8#	-	-	X	-	X	-	*
4A	6X40	0	*	X	4	-	-	X	-	X	-	*
5A	6X40	0	*	X	5	15*	-	X	-	X	-	*
					2#	3	-	X	-	X	-	*
5B	6X40	0	*	X	5	15	-	X	-	X	-	*
7A	6X40	0	*	X	7	15**	-	X	-	X	-	*
					4#	-	-	X	-	X	-	*
8A	6X40	0	*	X	8	10	-	X	-	X	-	*
8B	6X6	0	*	X	8	15	-	X	-	X	-	*

NOTES

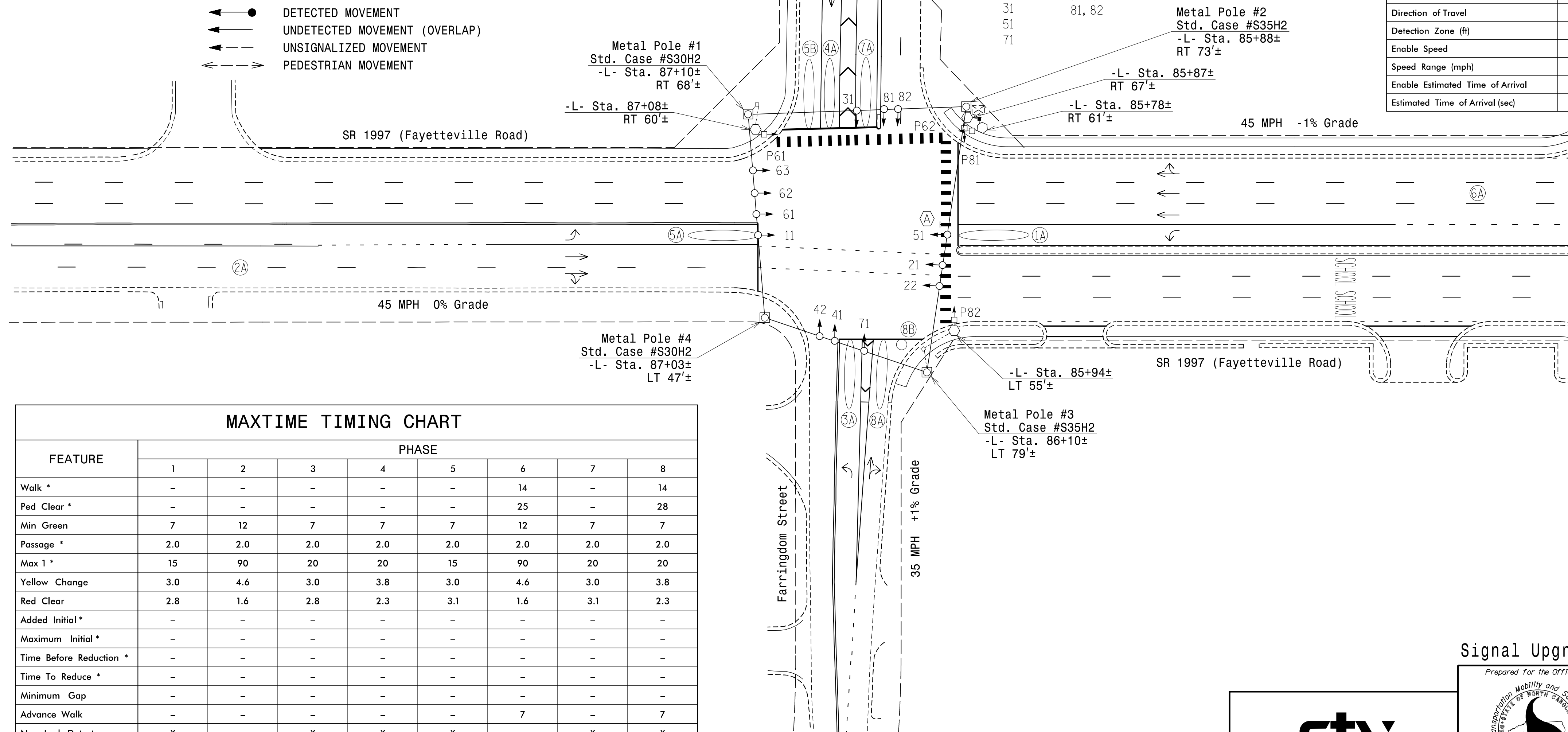
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. The Division Traffic Engineer will determine the hours of use for each phasing plan.
9. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

All Heads L.E.D.



RADAR DETECTION SYSTEM		
FUNCTION	SENSOR 1 – (2A)	SENSOR 2 – (6A)
Channel	1	2
Phase	2	6
Direction of Travel	SB	NB
Detection Zone (ft)	500 – 100	500 – 100
Enable Speed	Y	Y
Speed Range (mph)	35 – 100	35 – 100
Enable Estimated Time of Arrival	Y	Y
Estimated Time of Arrival (sec)	2.5 – 6.5	2.5 – 6.5

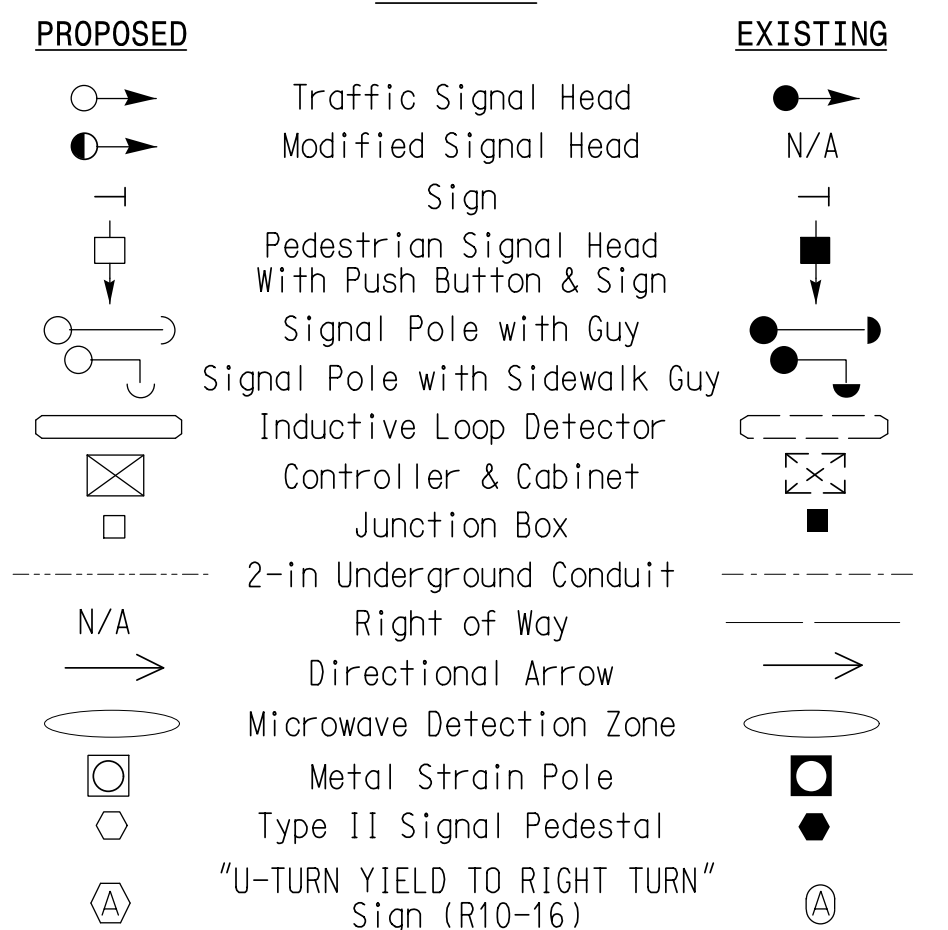
	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT



MAXTIME TIMING CHART								
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	–	–	–	–	–	14	–	14
Ped Clear *	–	–	–	–	–	25	–	28
Min Green	7	12	7	7	7	12	7	7
Passage *	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max 1 *	15	90	20	20	15	90	20	20
Yellow Change	3.0	4.6	3.0	3.8	3.0	4.6	3.0	3.8
Red Clear	2.8	1.6	2.8	2.3	3.1	1.6	3.1	2.3
Added Initial *	–	–	–	–	–	–	–	–
Maximum Initial *	–	–	–	–	–	–	–	–
Time Before Reduction *	–	–	–	–	–	–	–	–
Time To Reduce *	–	–	–	–	–	–	–	–
Minimum Gap	–	–	–	–	–	–	–	–
Advance Walk	–	–	–	–	–	7	–	7
Non Lock Detector	X	–	X	X	X	–	X	X
Vehicle Recall	–	MIN RECALL	–	–	–	MIN RECALL	–	–
Dual Entry	–	–	–	X	–	–	–	X

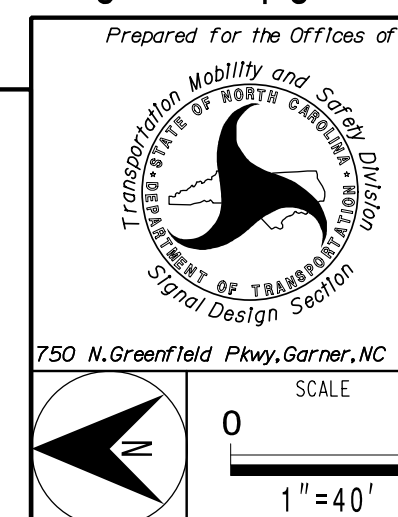
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND



stv

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(704) 372-1885
NC License Number F-0991



Division 6 Robeson County Lumberton

PLAN DATE:	Feb 2025	REVIEWED BY:	H.M. Surti
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29	PREPARED BY: J.C. Grimm	REVIEWED BY: T.M. Moody
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REVISIONS	INIT.	DATE
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[illegible]

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FINAL UNLESS ALL
SIGNATURES COMPLETED

REAL



ENCLOSURE

Signed by: _____

ent Moody

SIGNATURE
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