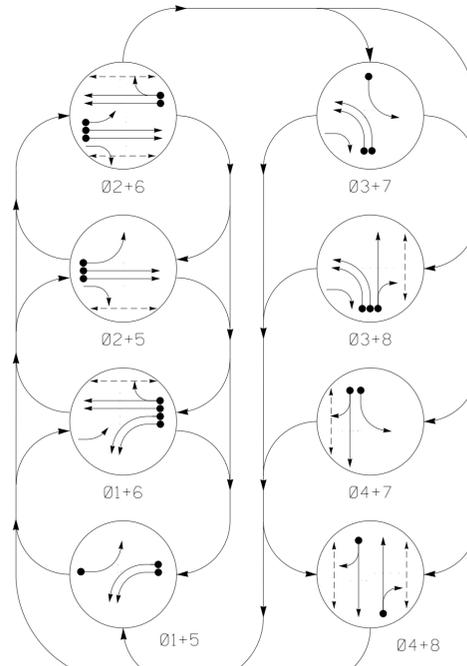
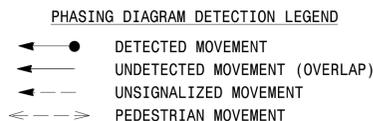
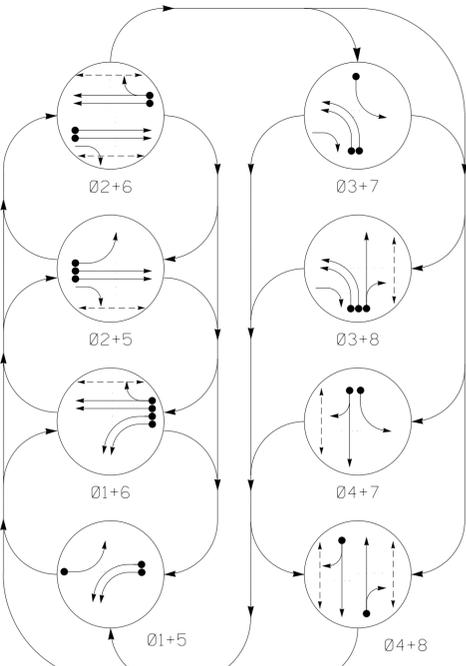


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11,12	←	←	←	←	←	←	←	←
21,22,24	R	R	G	G	R	R	R	R
23	R	R	←	←	←	←	←	←
31,32	←	←	←	←	←	←	←	←
41,42,43	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61,62,63	R	G	R	G	R	R	R	R
71	←	←	←	←	←	←	←	←
81,82,83	R	R	R	R	R	G	R	G
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	W	DW	W	DRK

ALTERNATE TABLE OF OPERATION

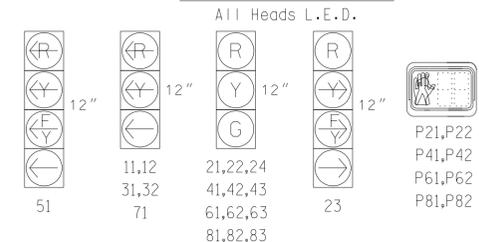
SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11,12	←	←	←	←	←	←	←	←
21,22,24	R	R	G	G	R	R	R	R
23	R	R	←	←	←	←	←	←
31,32	←	←	←	←	←	←	←	←
41,42,43	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61,62,63	R	G	R	G	R	R	R	R
71	←	←	←	←	←	←	←	←
81,82,83	R	R	R	R	R	G	R	G
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	DW	W	W	DRK

MAXTIME DETECTOR INSTALLATION CHART

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

Disable delay during Alternate Phasing Operation.
Disable phase calls for loop(s) during Alternate Phasing Operation.
* Multizone microwave detection zone

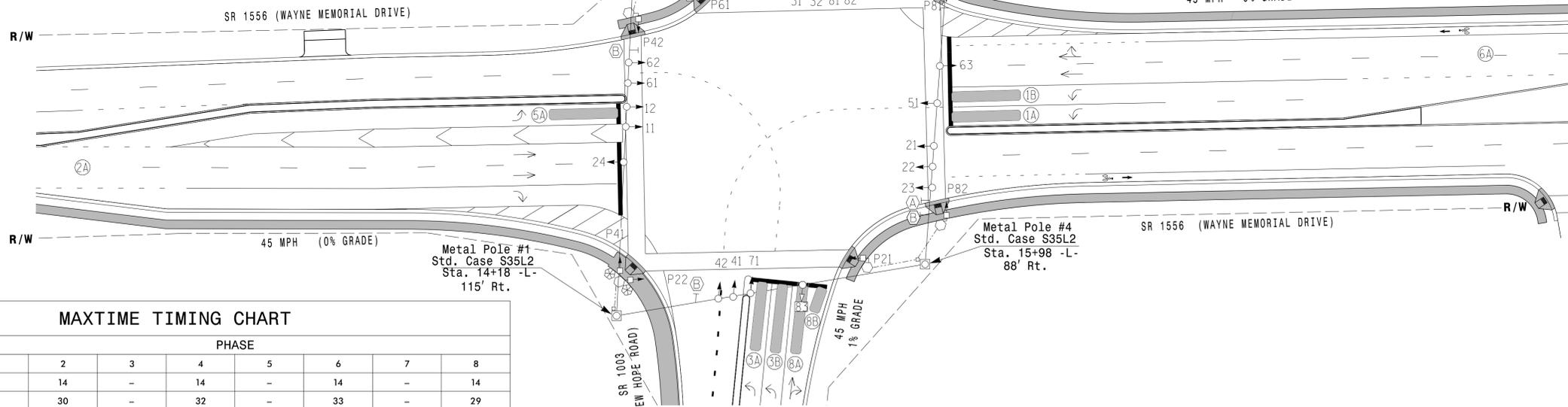
SIGNAL FACE I.D.



8 Phase Fully Actuated Goldsboro Signal System 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 phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Set all detector units to presence mode.
- Refer to the Pavement Marking Plans for pavement marking details.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- To provide a LPI on phase 2, program FYA head 23 to delay for 7s after the start of the phase 2 Walk Interval. See electrical details for programming.
- 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.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



MAXTIME TIMING CHART

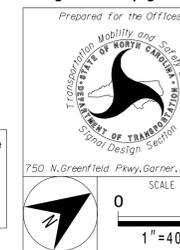
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	14	-	14	-	14	-	14
Ped Clear	-	30	-	32	-	33	-	29
Min Green *	7	12	7	7	7	12	7	7
Passage *	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max I *	20	90	15	30	20	90	15	30
Yellow Change	3.0	4.5	3.0	5.3	3.0	4.5	3.0	5.3
Red Clear	4.4	2.8	4.2	2.5	3.9	2.8	3.8	2.5
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Added Initial *	-	-	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Advance Walk	-	#	-	7	-	7	-	7
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X
Simultaneous Gap	X	X	X	X	X	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.
See Note 8

ADVANCED MICROWAVE EXTENDED RANGE DETECTION

FUNCTION	Sensor 1 (2A)	Sensor 2 (6A)
Channel	1	1
Phase	2	6
Direction of Travel	NB	SB
Type	PRIORITY	PRIORITY
Level	2	2
Discovery Zone (ft)	<750	<750
Range (ft)	600-100	150-100
Enable Speed	Y	Y
Speed Range (mph)	35-100	1-35
Enable Estimated Time of Arrival	Y	N
Estimated Time of Arrival (sec)	2.5-6.5	2.5-6.5

Signal Upgrade - Final Design



SR 1556 (Wayne Memorial Drive) at SR 1003 (New Hope Road)

Division 4 Wayne County Goldsboro

PLAN DATE: October 2025 REVIEWED BY: G.G. Murr, Jr.

PREPARED BY: Nadia Degbotse REVIEWED BY:

REVISIONS: _____

INIT. DATE

Signed by: G.G. Murr, Jr. 10/09/2025

SIG. INVENTORY NO. 04-0663



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