

8 Phase Fully Actuated Goldsboro Signal System

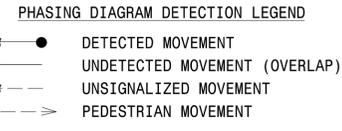
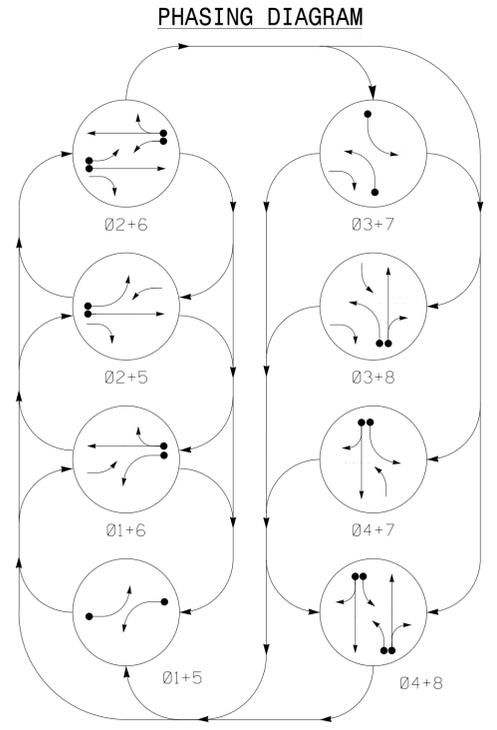
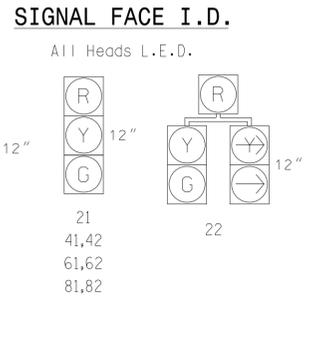


TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	01+5	02+6	03+7	04+8	01+6	02+5	03+8	04+7	
11	←	←	←	←	←	←	←	←	
21	R	R	G	G	R	R	R	R	
22	R	R	G	G	R	R	R	R	
31	←	←	←	←	←	←	←	←	
41,42	R	R	R	R	R	R	R	R	
51	←	←	←	←	←	←	←	←	
61,62	R	G	R	G	R	R	R	R	
71	←	←	←	←	←	←	←	←	
81,82	R	R	R	R	G	R	G	R	

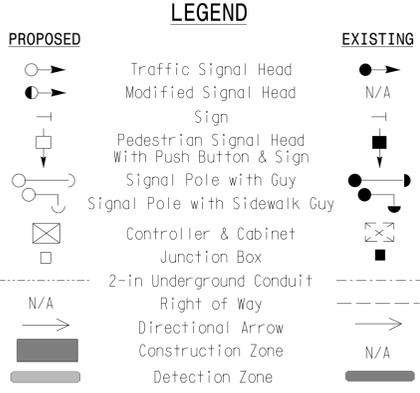
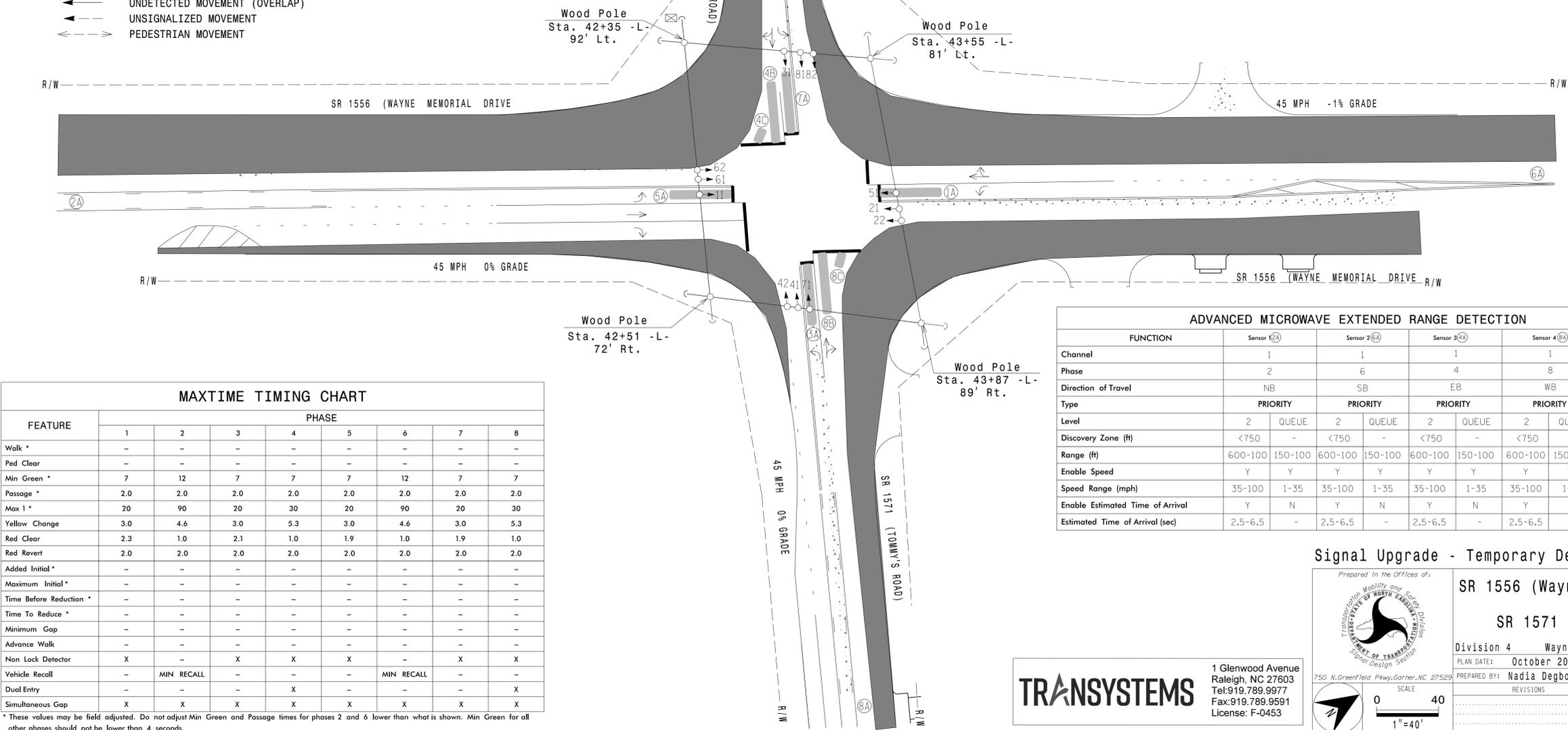


MAXTIME DETECTOR INSTALLATION CHART

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	15	-	X	-	X	-	*
3A	*	0	*	X	3	15	-	X	-	X	-	*
4B	*	0	*	X	4	10	-	X	-	X	-	*
4C	*	0	*	X	4	10	-	X	-	X	-	*
5A	*	0	*	X	5	15	-	X	-	X	-	*
7A	*	0	*	X	7	15	-	X	-	X	-	*
8B	*	0	*	X	8	10	-	X	-	X	-	*
8C	*	0	*	X	8	10	-	X	-	X	-	*

*Multizone microwave detection zone

- 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.
 - Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
 - Pavement markings are existing.
 - 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.



MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	-	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-	-	-
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 *	20	90	20	30	20	90	20	30
Yellow Change	3.0	4.6	3.0	5.3	3.0	4.6	3.0	5.3
Red Clear	2.3	1.0	2.1	1.0	1.9	1.0	1.9	1.0
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	-	-	-	-	-	-	-	-
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.

ADVANCED MICROWAVE EXTENDED RANGE DETECTION

FUNCTION	Sensor 2(A)	Sensor 2(B)	Sensor 3(A)	Sensor 4(B)
Channel	1	1	1	1
Phase	2	6	4	8
Direction of Travel	NB	SB	EB	WB
Type	PRIORITY	PRIORITY	PRIORITY	PRIORITY
Level	2	QUEUE	2	QUEUE
Discovery Zone (ft)	<750	-	<750	-
Range (ft)	600-100	150-100	600-100	150-100
Enable Speed	Y	Y	Y	Y
Speed Range (mph)	35-100	1-35	35-100	1-35
Enable Estimated Time of Arrival	Y	N	Y	N
Estimated Time of Arrival (sec)	2.5-6.5	-	2.5-6.5	-

Signal Upgrade - Temporary Design 1

SR 1556 (Wayne Memorial Drive) at SR 1571 (Tommy's 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.* 10/5/2025

SEAL: 14543

SCALE: 1"=40'

TRANSYSTEMS

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10/3/2025
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