

**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. Refer to the Pavement Marking Plans for pavement marking details.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. The Division Traffic Engineer will determine the hours of use for each phasing plan.
10. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

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

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

**LEGEND**

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	
	Sign	
	Pedestrian Signal Head	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Detection Zone	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Right of Way	
	Directional Arrow	
	Metal Strain Pole	
	Type I Pushbutton Post	
	Type II Signal Pedestal	

Signal Upgrade-Final Design-Sheet 2 of 2

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	Prepared in the Offices of: 		SR 1556 (Wayne Memorial Drive) at SR 1571 (Tommy's Road)		SEAL 								
	1 Glenwood Avenue Raleigh, NC 27603 Tel: 919.789.9977 Fax: 919.789.9591 License: F-0453		Division 4 Wayne County Goldsboro PLAN DATE: October 2025 REVIEWED BY: G.G. Murr, Jr. PREPARED BY: Nadia Degbotse REVIEWED BY:										
SCALE 		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	INIT.	DATE					Signed by: 10/5/2025 AA6F5078CAB34CF SIG. INVENTORY NO. 04-1097	
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