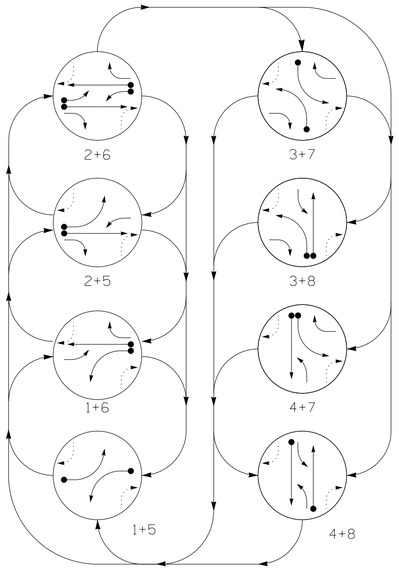
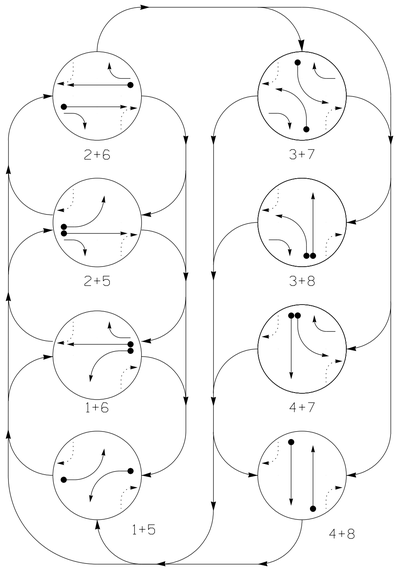
Docusign Envelope ID: 68D05315-339F-8877-826C-A54DFA71DCDF

PROJECT REFERENCE NO.	SHEET NO.
U-3422B	Sig-3.0

DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE 1+5	1+6	2+5	2+6	3+7	3+8	4+7	4+8	FLASH
11	←R	←R	←FY	←FY	←R	←R	←R	←R	←R
21	R	R	G	G	R	R	R	R	R
22	R	R	G	G	R/→R	R/→R	R	R	R
31,32	←R	←R	←R	←R	←	←	←FY	←FY	←R
41,42	R	R	R	R	R	R	G	G	R
51	←FY	←R	←FY	←R	←R	←R	←R	←R	←R
61	R	G	R	G	R	R	R	R	R
62	R	G	R	G	R/→R	R/→R	R	R	R
71,72	←R	←R	←R	←R	←FY	←FY	←R	←R	←R
81,82	R	R	R	R	R	G	R	G	R

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE 1+5	1+6	2+5	2+6	3+7	3+8	4+7	4+8	FLASH
11	←	←	←R	←R	←R	←R	←R	←R	←R
21	R	R	G	G	R	R	R	R	R
22	R	R	G	G	R/→R	R/→R	R	R	R
31,32	←R	←R	←R	←R	←	←R	←R	←R	←R
41,42	R	R	R	R	R	R	G	G	R
51	←	←R	←	←R	←R	←R	←R	←R	←R
61	R	G	R	G	R	R	R	R	R
62	R	G	R	G	R/→R	R/→R	R	R	R
71,72	←R	←R	←R	←R	←	←R	←R	←R	←R
81,82	R	R	R	R	R	G	R	G	R

MAXTIME DETECTOR INSTALLATION CHART

DETECTOR ZONE	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	6X40	0	**	X	1	15.0*	-	X	-	X	-	**
				X	6#	3.0	-	X	-	X	-	**
2A	@	@	**	X	2	-	-	X	-	X	-	**
3A	6X40	0	**	X	3	15.0*	-	X	-	X	-	**
				X	8#	3.0	-	X	-	X	-	**
4A	6X40	0	**	X	4	-	-	X	-	X	-	**
5A	6X40	0	**	X	5	15.0*	-	X	-	X	-	**
				X	2#	3.0	-	X	-	X	-	**
6A	@	@	**	X	6	-	-	X	-	X	-	**
7A	6X40	0	**	X	7	15.0*	-	X	-	X	-	**
				X	4#	3.0	-	X	-	X	-	**
8A	6X40	0	**	X	8	-	-	X	-	X	-	**

** Microwave Detection Zone

@ Size and distance vary. See Microwave Detection chart for more details.

* Disable Delay During Alternate Phasing Operation.

Disable Phase Call For Loop During Alternate Phasing Operation.

8 Phase Fully Actuated D06-28_Hope Mills

NOTES

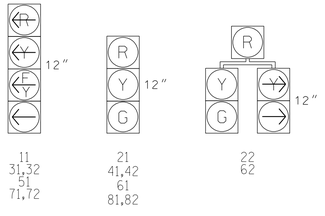
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. The Division Traffic Engineer will determine the hours of use for each phasing plan.
7. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

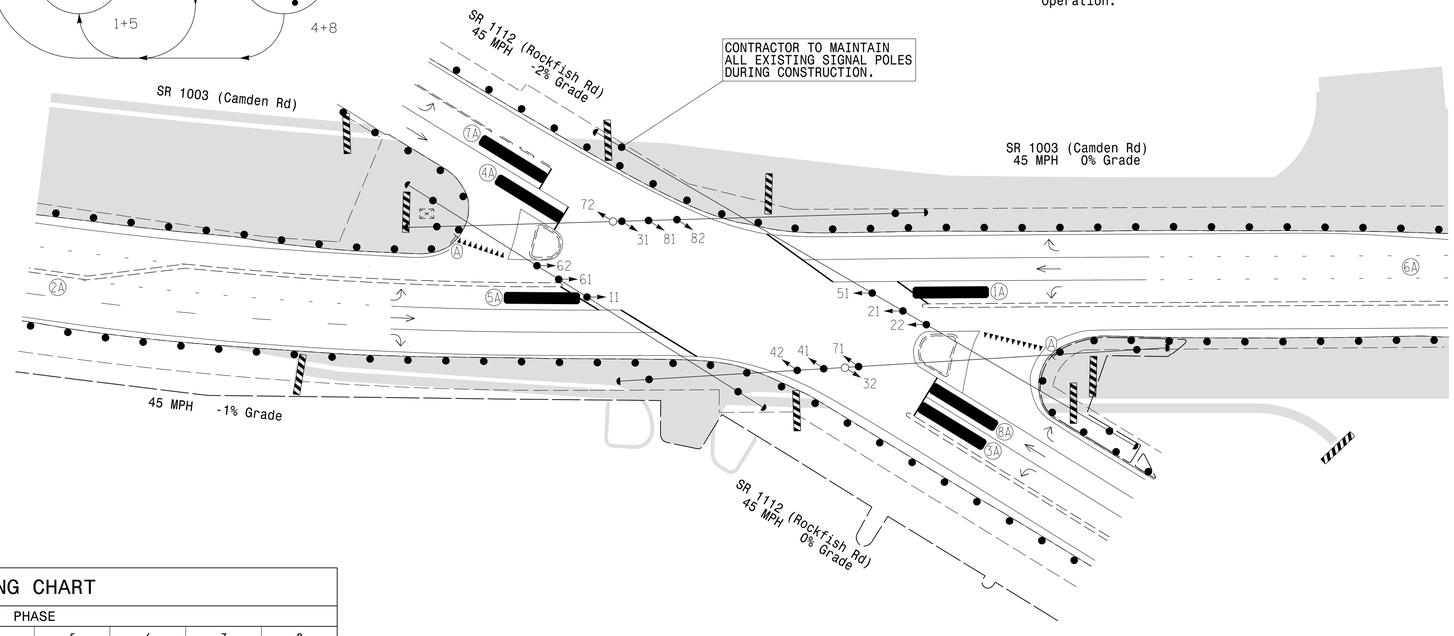
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

All Heads L.E.D.





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	75	20	30	20	75	20	30
Yellow Change	3.0	4.6	3.0	4.7	3.0	4.6	3.0	4.7
Red Clear	2.1	1.8	4.4	2.9	1.9	1.8	4.4	2.9
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

* 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.

Microwave Detection

FUNCTION	2A Sensor 1			6A Sensor 2		
Channel	1			1		
Phase	2			6		
Direction of Travel	EB			WB		
Type	Priority			Priority		
Level	1	2	QUEUE	1	2	QUEUE
Discovery Zone (ft)	>= 750	< 750	-	>= 750	< 750	-
Range (ft)	900-100	600-100	150-100	900-100	600-100	150-100
Enable Speed	Y	Y	Y	Y	Y	Y
Speed Range (mph)	35-100	35-100	1-35	35-100	35-100	1-35
Enable Estimated Time of Arrival	Y	Y	N	Y	Y	N
Estimated Time of Arrival (sec)	2.5-10.0	2.5-6.5	-	2.5-10.0	2.5-6.5	-

THIS PLAN SUPERSEDES THE PLAN SEALED ON 12/22/2023

LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
▽	Pedestrian Signal Head	■
○	Signal Pole with Guy	●
○	Signal Pole with Sidewalk Guy	●
▭	Inductive Loop Detector	▭
⊠	Controller & Cabinet	⊠
□	Junction Box	■
----------	2-in Underground Conduit	----------
N/A	Right of Way	
→	Directional Arrow	→
▬	Non-Intrusive Detection Zone	▬
▭	Construction Zone	N/A
●●●	Construction Zone Drums	N/A
▨	Type III Barricade	N/A
▼▼▼▼▼▼	Yield Pavement Marking	N/A
Ⓐ	"YIELD" Sign (R1-2)	Ⓐ

Signal Upgrade
Temporary Design 1 - (TMP Phase I)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Plans Prepared By:

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Prepared for:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SR 1003 (Camden Road)
at
SR 1112 (Rockfish Road)

Division 6 Cumberland County Hope Mills

PLAN DATE: September 2026 REVIEWED BY: BN Groome
PREPARED BY: DS Griffith DRMP PROJ. NO.: 24941 (040)

REVISIONS	INIT.	DATE

SCALE 0 40 1"=40'

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N GROOME

Signed by: Brittany Groome
1E0934061094484...
09/11/2026
SIGNATURE DATE

SIG. INVENTORY NO. 06-0470TI