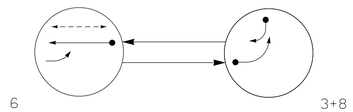
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PROJECT REFERENCE NO.	SHEET NO.
U-3422B	Sig-6.0

2 Phase Fully Actuated Camden Road CLS

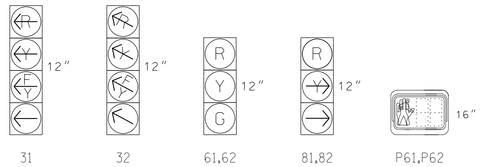
DEFAULT PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION			
SIGNAL FACE	PHASE 6	PHASE 3+8	FLASH
31	F Y	←	← R
32	Y	↘	↘ R
61,62	G	R	R
81,82	R	→	R
P61,P62	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
3A	6X40	0	**	X	3	15.0*	-	X	-	X	-	**
6A	@	@	**	X	6	-	-	X	-	X	-	**
8A	6X40	0	**	X	8	15.0	-	X	-	X	-	**

** Microwave Detection Zone

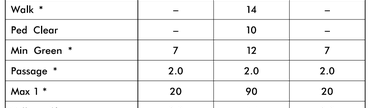
@ Size and distance vary. See Microwave Detection chart for more details.

* Disable Delay During Alternate Phasing Operation.

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. Set all detector units to presence mode
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
7. The Division Traffic Engineer will determine the hours of use for each phasing plan.
8. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve desired detection.
9. See traffic control plans for stop line locations.
10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
11. Install new ethernet edge switch inside the new cabinet. Connect to SIN 06-1309 via ethernet cable as shown.

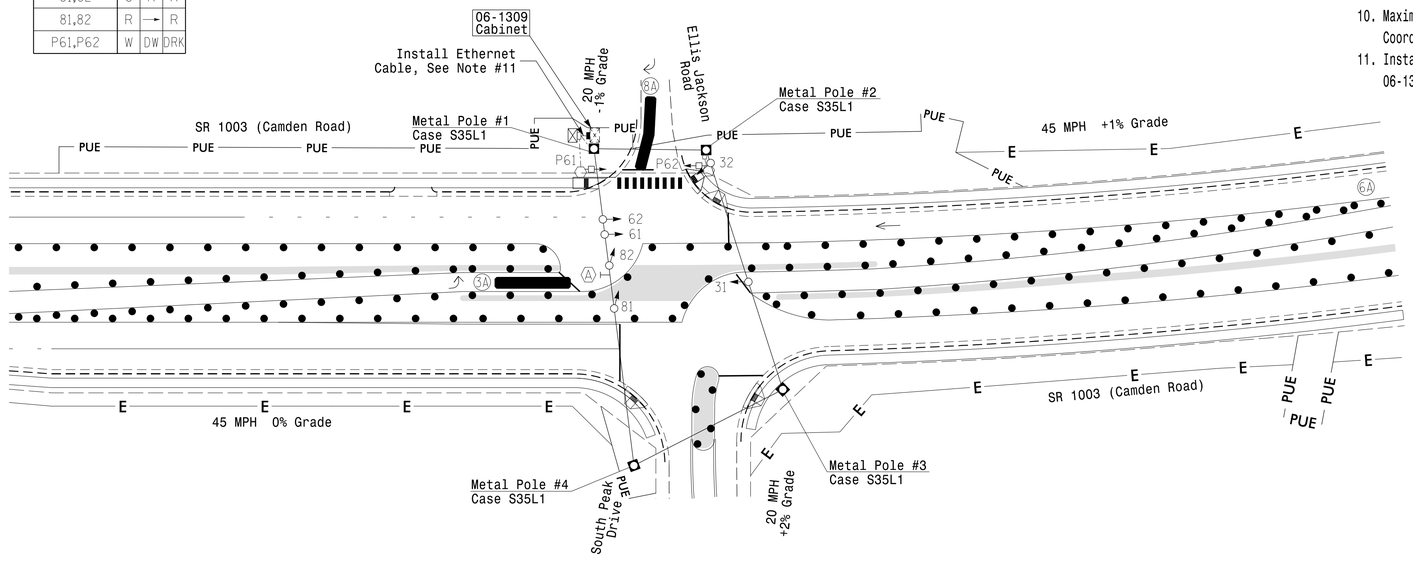
ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

ALTERNATE PHASING TABLE OF OPERATION			
SIGNAL FACE	PHASE 6	PHASE 3+8	FLASH
31	R	←	← R
32	Y	↘	↘ R
61,62	G	R	R
81,82	R	→	R
P61,P62	W	DW	DRK



LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
▯↓	Pedestrian Signal Head With Push Button & Sign	■↓
○	Signal Pole with Guy	●
○	Signal Pole with Sidewalk Guy	●
◯	Metal Strain Pole	■
▭	Inductive Loop Detector	▭
⊠	Controller & Cabinet	⊠
□	Junction Box	■
▭	Over-sized Junction Box	■
----	2-in Underground Conduit	----
N/A	Right of Way	----
→	Directional Arrow	→
⬡	Type II Signal Pedestal	⬢
PUE	Permanent Utility Easement	N/A
E	Construction Easement	N/A
▭	Construction Zone	N/A
●●	Construction Zone Drums	N/A
▬	Non-Intrusive Detection Zone	▬
Ⓐ	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	Ⓐ

MAXTIME TIMING CHART

FEATURE	PHASE 3	PHASE 6	PHASE 8
Walk *	–	14	–
Ped Clear	–	10	–
Min Green *	7	12	7
Passage *	2.0	2.0	2.0
Max 1 *	20	90	20
Yellow Change	3.0	4.4	3.0
Red Clear	2.4	1.3	2.4
Added Initial *	–	–	–
Maximum Initial *	–	–	–
Time Before Reduction *	–	–	–
Time To Reduce *	–	–	–
Minimum Gap	–	–	–
Advance Walk	–	7	–
Non Lock Detector	–	–	–
Vehicle Recall	–	MIN RECALL	–
Dual Entry	X	–	X

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

Microwave Detection			
	6A		
FUNCTION	Sensor 1		
Channel	1		
Phase	6		
Direction of Travel	WB		
Type	Priority		
Level	1	2	QUEUE
Discovery Zone (ft)	>= 50	< 750	-
Range (ft)	900-100	600-100	150-100
Enable Speed	Y	Y	Y
Speed Range (mph)	35-100	35-100	1-35
Enable Estimated Time of Arrival	Y	Y	N
Estimated Time of Arrival (sec)	2.5-10.0	2.5-6.5	-

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

New Installation
Temporary Design 1 - (TMP Phase III)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Plans Prepared By:

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NC DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SR 1003 (Camden Road) WB at Ellis Jackson Road

Division 6 Cumberland County Hope Mills

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

SCALE 0 40 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N GROOME

Signed by: Brittany Groome 1E093406E0944B4...

09/11/2026
SIGNATURE DATE

SIG. INVENTORY NO. 06-1406TI