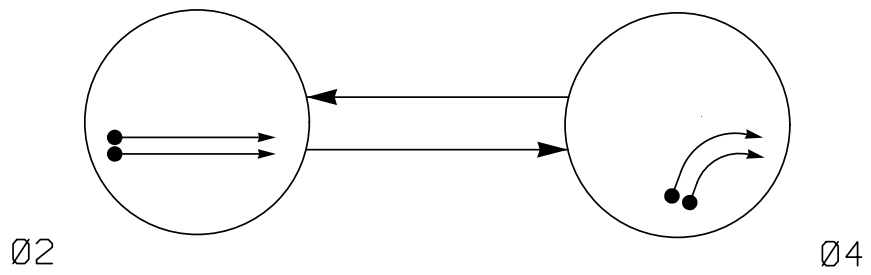


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

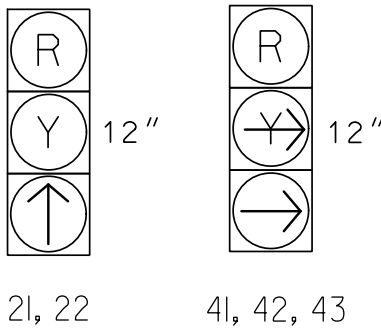
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2	Ø 4	FLASH
2l, 22	↑	R	R
4l, 42	R	→	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	URNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	ADDED INITIAL	CALL	DELAY DURING GREEN
2A, 2B	6X6	420	*	*	2	-	2.2	X	-	X	-
2C, 2D	6X6	110	*	*	2	-	-	X	-	X	-
4A	6X40	0	*	*	4	15.0	-	X	-	X	-
4B	6X40	0	*	*	4	15.0	-	X	-	X	-

* Video Detection Zone

2 Phase Fully Actuated Isolated

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.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Refer to Roadway and/or Pavement Marking plans for stop bar locations.

LEGEND

PROPOSED	EXISTING
	N/A
	N/A
	N/A

MAXTIME TIMING CHART

FEATURE	PHASE	
	2	4
Walk *	-	-
Ped Clear *	-	-
Min Green	14	7
Passage *	2.0	2.0
Max l *	90	30
Yellow Change	5.3	3.0
Red Clear	1.3	2.3
Added Initial *	-	-
Maximum Initial *	-	-
Time Before Reduction *	-	-
Time To Reduce *	-	-
Minimum Gap	-	-
Advance Walk	-	-
Non Lock Detector	-	X
Vehicle Recall	MIN RECALL	-
Dual Entry	-	-

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

Signal Upgrade Temporary Design - TMP Phase II

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

US 321 (Hickory Boulevard) SB
at
SR 1809/SR 1952
(Pine Mountain Road)
Division 11 Caldwell County Hudson
PLAN DATE: June 2024 REVIEWED BY: D.J. Darity
PREPARED BY: J.T. Grimm REVIEWED BY: T.M. Woody
REVISIONS INIT. DATE
DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 040329
T.M. WOODY
5/29/2026
DATE
SIC. INVENTORY NO. 11-14491