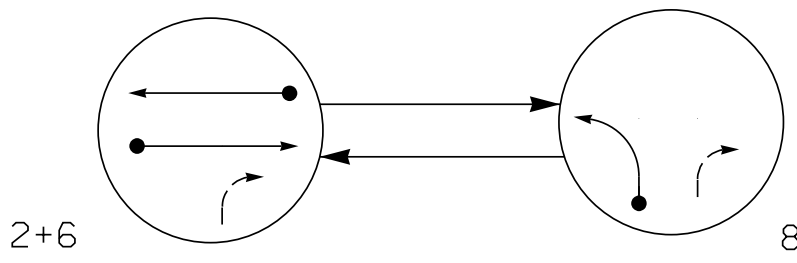


PHASING DIAGRAM



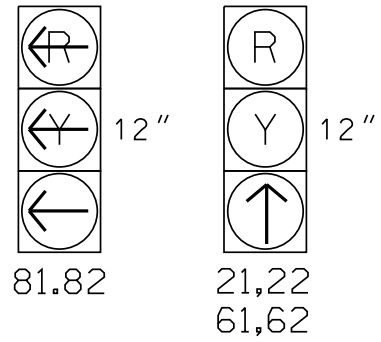
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION				
SIGNAL FACE	PHASE			FLASH
	2 + 6	8		
21, 22	↑	R	R	
61, 62	↑	R	R	
81, 82	←	←	←	

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 DURING GREEN	NEW CARD
2A*	6X6	70	*	*	2	-	-	X	-	X	-
6A*	6X6	70	*	*	6	-	-	X	-	X	-
8A*	6X40	0	*	*	8	-	-	X	-	X	-

* Video 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.
- Set alldetector 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 manufacturers instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run opation only.Coordinated signal system timing values supersede these values.
- Install department-furnished cellular modem and antenna for remote communications. Request cell modem from the Engineer at least 8 weeks before anticipated deployment.

LEGEND

PROPOSED	EXISTING

MAXTIME TIMING CHART			
FEATURE	PHASE		
	2	6	8
Walk *	-	-	-
Ped Clear	-	-	-
Min Green *	10	10	7
Passage *	3.0	3.0	2.0
Max 1 *	60	60	40
Yellow Change	3.8	3.8	3.0
Red Clear	2.2	2.2	1.6
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	-	-	-
Non Lock Detector	-	-	X
Vehicle Recall	MIN RECALL	MIN RECALL	-
Dual Entry	-	-	-

* 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.

Signal Upgrade - Temporary Design 1 (TMP Phase III)

Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529		US 311 /NC 135 at US 220 Northbound Ramps Division 7 Rockingham County Mayodan PLAN DATE: June 2025 REVIEWED BY: Golam Moynuddin PREPARED BY: Jamal Khdeir REVIEWED BY:		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL SEAL 034454 ENGINEER GOLAM M. MOYNUDDIN Signed by: Golam Moynuddin 6/27/2025 SIGNATURE DATE SIG. INVENTORY NO. 07-1417 11	
Plans Prepared in the Offices of: Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27606 License No: C-3097		REVISIONS INIT. DATE			