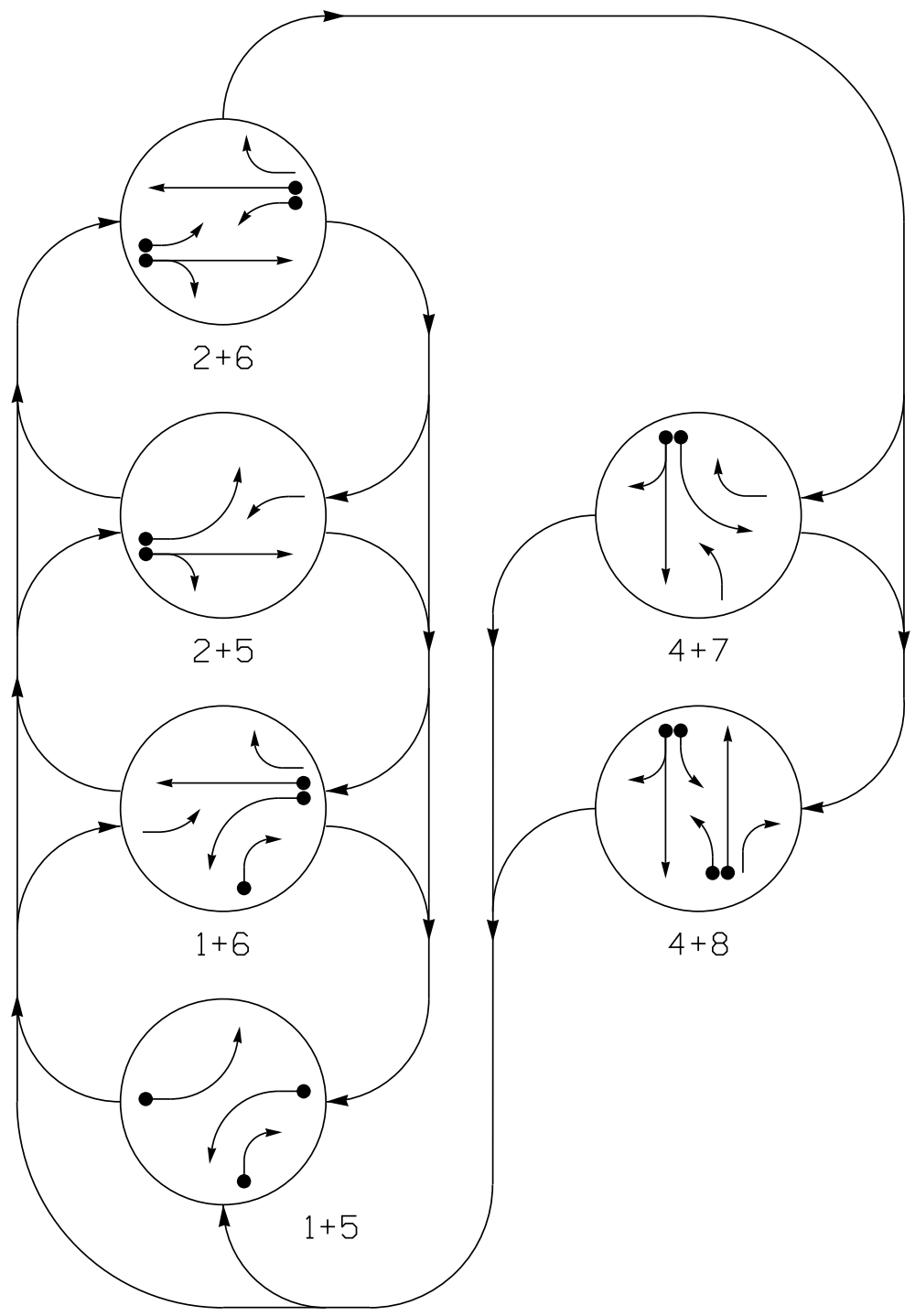


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 7	4 + 8	F L A S H	
11	←	←	←	←	←	←	←	
21,22	R	R	G	G	R	R	R	
41,42	R	R	R	R	G	G	R	
51	←	←	←	←	←	←	←	
61	R	G	R	G	R	R	R	
62	R	G	R	G	R	R	R	
71	←	←	←	←	←	←	←	
81	←	←	←	←	←	←	←	
82	R	R	R	R	G	G	R	
83	R	R	R	R	G	G	R	

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	NEW CARD
1A*	6X40	0	*	-	1 6	15.0	-	X	-	X	-
1B*	6X40	0	*	-	1 6	15.0	-	X	-	X	-
2A*	6X6	70	*	*	2	-	-	X	-	X	-
4A*	6X40	0	*	-	4	10.0	-	X	-	X	-
5A*	6X40	0	*	*	5	15.0	-	X	-	X	-
6A*	6X6	70	*	-	6	-	-	X	-	X	-
7A*	6X40	0	*	-	7	15.0	-	X	-	X	-
8A*	6X40	0	*	-	8	3.0	-	X	-	X	-
8B*	6X40	0	*	-	8	-	-	X	-	X	-

* Video Detection Zone

6 Phase
Fully Actuated
(NC 135 CLS)
Signal System #: D07-09_Mayodan

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.
- Phase 1 and/or phase 5 may be lagged.
- Phase 7 may be lagged.
- Reposition all existing signalheads numbered 21, 22, and 51.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instruction to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

- | PROPOSED | EXISTING |
|--|--|
| Traffic Signal Head | N/A |
| Modified Signal Head | N/A |
| Sign | N/A |
| Pedestrian Signal Head With Push Button & Sign | N/A |
| Signal Pole with Guy | N/A |
| Signal Pole with Sidewalk Guy | N/A |
| Inductive Loop Detector | N/A |
| Controller & Cabinet | N/A |
| Junction Box | N/A |
| 2-in Underground Conduit | N/A |
| N/A | Right of Way |
| N/A | Permanent Utility Easement |
| Directional Arrow | Directional Arrow |
| Non-Intrusive Detection Zone | Non-Intrusive Detection Zone |
| Construction Zone | Construction Zone |
| Construction Zone Drums | Construction Zone Drums |
| N/A | Curb Ramp |
| "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) | "U-TURN YIELD TO RIGHT TURN" Sign (R10-16) |

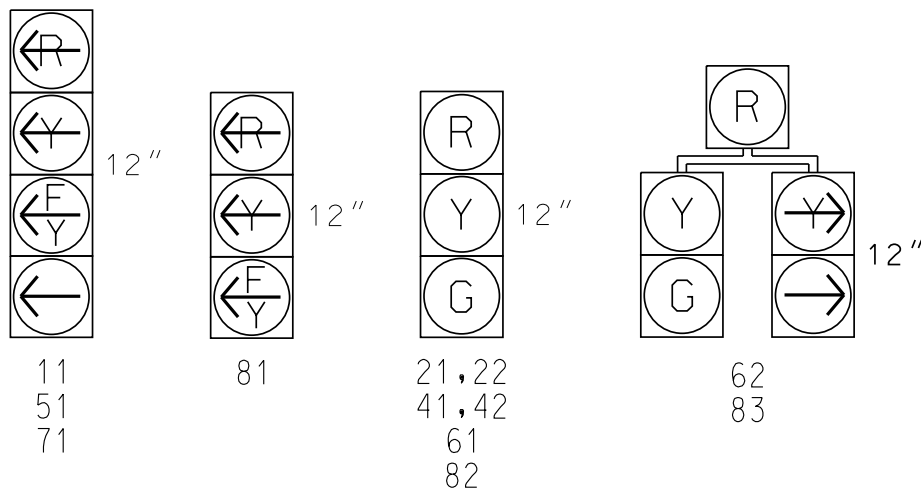
MAXTIME TIMING CHART

FEATURE	PHASE							
	1	2	4	5	6	7	8	
Walk *	-	-	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-	-	-
Min Green *	7	10	7	7	10	7	7	7
Passage *	2.0	3.0	2.0	2.0	3.0	2.0	2.0	2.0
Max 1 *	20	60	30	20	60	20	30	30
Yellow Change	3.0	4.1	4.6	3.0	4.1	3.0	4.6	4.6
Red Clear	2.9	1.8	2.9	2.8	1.8	2.9	2.9	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	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.

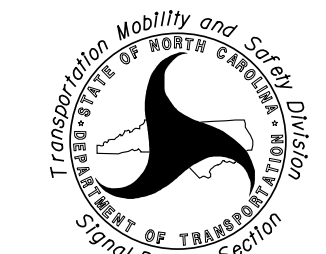
SIGNAL FACE I.D.

All Heads L.E.D.



Signal Upgrade - Temporary Design 4
(TMP Phase IV- Step 2)

Prepared for the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

NC135
at
SR 2177 (Dan Valley Road) and
McMichael High School
Division 7 Rockingham County Mayodan

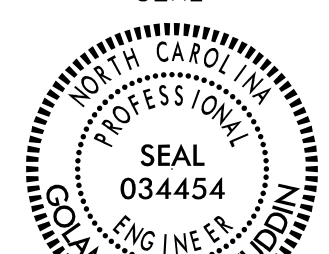
PLAN DATE: August 2025 REVIEWED BY: Golam Moynuddin

PREPARED BY: Jamal Khdeir REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL



Signed by: Golam Moynuddin
8/1/2025
DATE

SIC. INVENTORY NO. 07-1395 T4