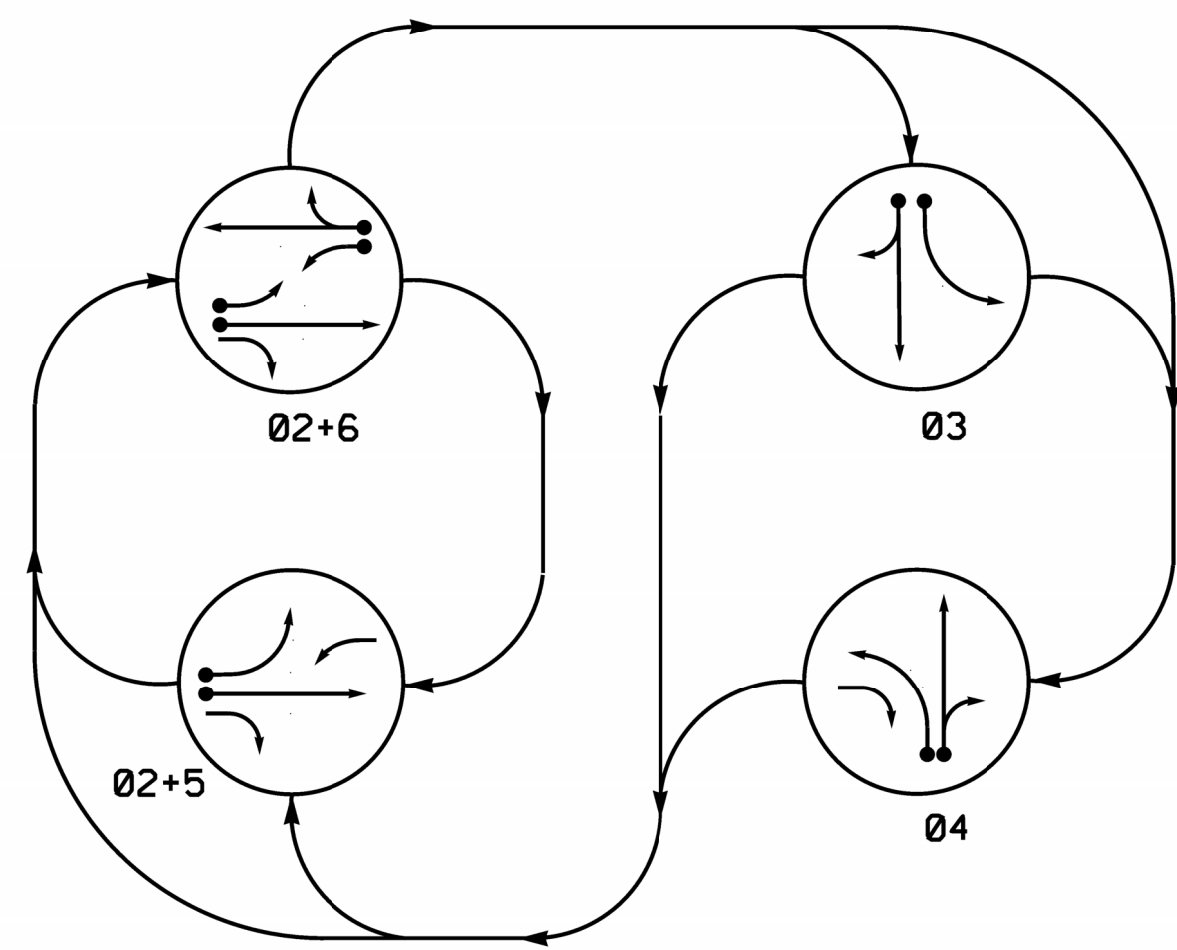


PHASING DIAGRAM

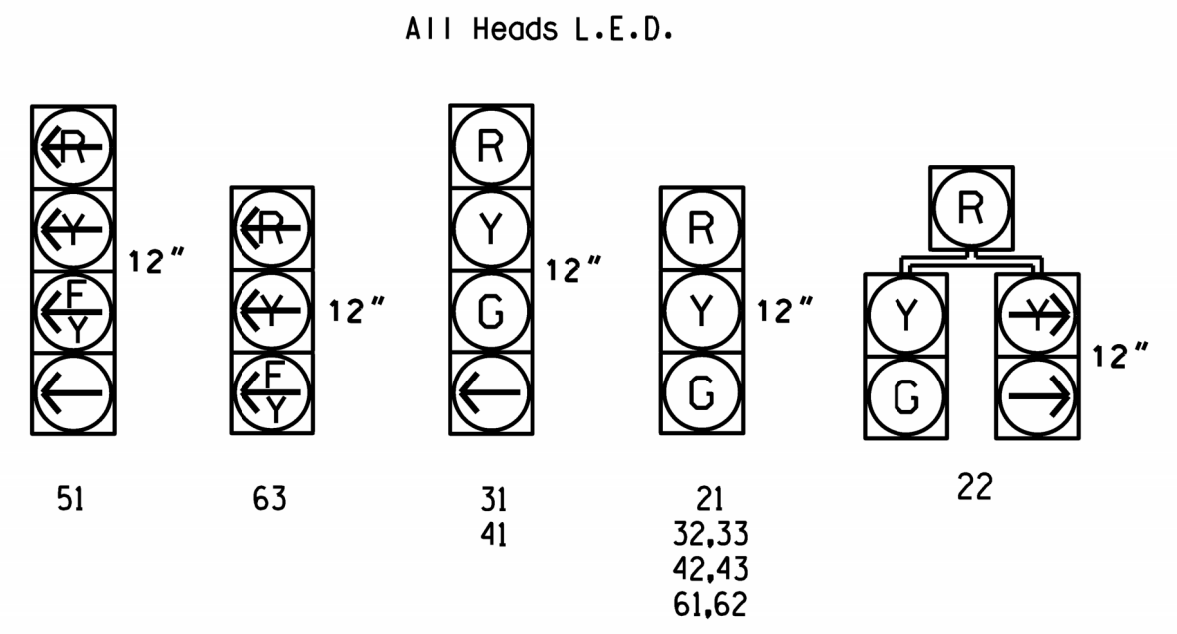


PHASING DIAGRAM DETECTION LEGEND

- ◄●► DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄- - - UNSIGNALIZED MOVEMENT
- ◄- - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE				
	5+5	3	4	0	1
21	G	R	R	Y	
22	G	R	R	Y	
31	R	R	G	R	R
32,33	R	R	G	R	R
41	R	R	R	G	R
42,43	R	R	R	G	R
51	-	-	-	-	-
61,62	R	G	R	R	Y
63	Y	Y	-	-	-

SIGNAL FACE I.D.



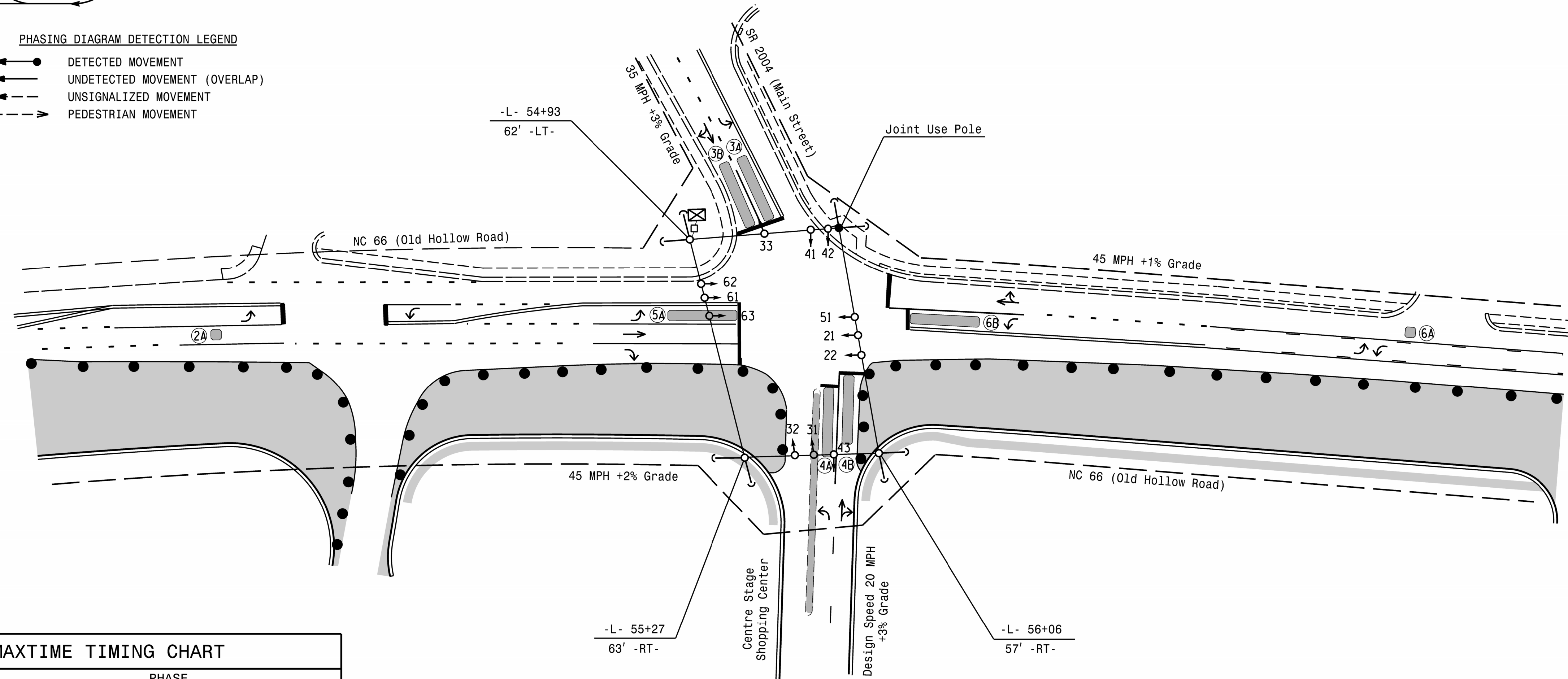
MAXTIME DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL
2A *	6X6	300	*	*	2	-	-	X	X	X
3A *	6X40	0	*	*	3	3.0	-	X	-	X
3B *	6X40	0	*	*	3	10.0	-	X	-	X
4A *	6X40	0	*	*	4	-	-	X	-	X
4B *	6X40	0	*	*	4	10.0	-	X	-	X
5A *	6X40	0	*	*	5	15.0	-	X	-	X
6A *	6X6	300	*	*	2	3.0	-	X	X	X
6B *	6X40	0	*	*	6	-	-	X	X	X

* Video Detection Zone

4 Phase Fully Actuated (Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. The order of phase 3 and phase 4 may be reversed.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Pavement markings are existing.
8. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



MAXTIME TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Walk *	-	-	-	-	-
Ped Clear *	-	-	-	-	-
Min Green *	12	7	7	7	12
Passage *	6.0	2.0	2.0	2.0	6.0
Max I *	50	30	25	20	50
Yellow Change	4.4	3.7	3.0	3.0	4.4
Red Clear	1.3	1.9	2.3	1.8	1.3
Added Initial *	3.0	-	-	-	3.0
Maximum Initial *	34	-	-	-	34
Time Before Reduction *	15	-	-	-	15
Time To Reduce *	40	-	-	-	40
Minimum Gap	3.0	-	-	-	3.0
Advance Walk	-	-	-	-	-
Non Lock Detector	-	X	X	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.

LEGEND

- | PROPOSED | EXISTING |
|---------------------------------|---------------------------------|
| ○ → Traffic Signal Head | ● → Traffic Signal Head |
| ○ → Modified Signal Head | N/A |
| ⊥ Sign | ⊥ Sign |
| ⊥ Pedestrian Signal Head | ⊥ Pedestrian Signal Head |
| ⊥ Signal Pole with Guy | ⊥ Signal Pole with Guy |
| ⊥ Signal Pole with Sidewalk Guy | ⊥ Signal Pole with Sidewalk Guy |
| ▭ Video Detection Zone | ▭ Video Detection Zone |
| ⊠ Controller & Cabinet | ⊠ Controller & Cabinet |
| □ Junction Box | □ Junction Box |
| - - - 2-in Underground Conduit | - - - 2-in Underground Conduit |
| N/A Right of Way | - - - Right of Way |
| → Directional Arrow | → Directional Arrow |
| ▭ Construction Zone | ▭ Construction Zone |
| • • Construction Zone Drums | • • Construction Zone Drums |

Signal Upgrade - Temporary Design 1(TMP Phase I Step 2)

Prepared in the Office of: NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529 SCALE: 0 40 1" = 40'	NC 66 (Old Hollow Road) at SR 2004 (Main Street) / Centre Stage Shopping Center Division 9 Forsyth County Walkertown		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL Edward W. Sirgany 9/7/2023 DATE SIG. INVENTORY NO. 09-058971
		PREPARED BY: M Parker REVIEWED BY: E Sirgany	PLAN DATE: August 2023 REVIEWED BY: E Sirgany	