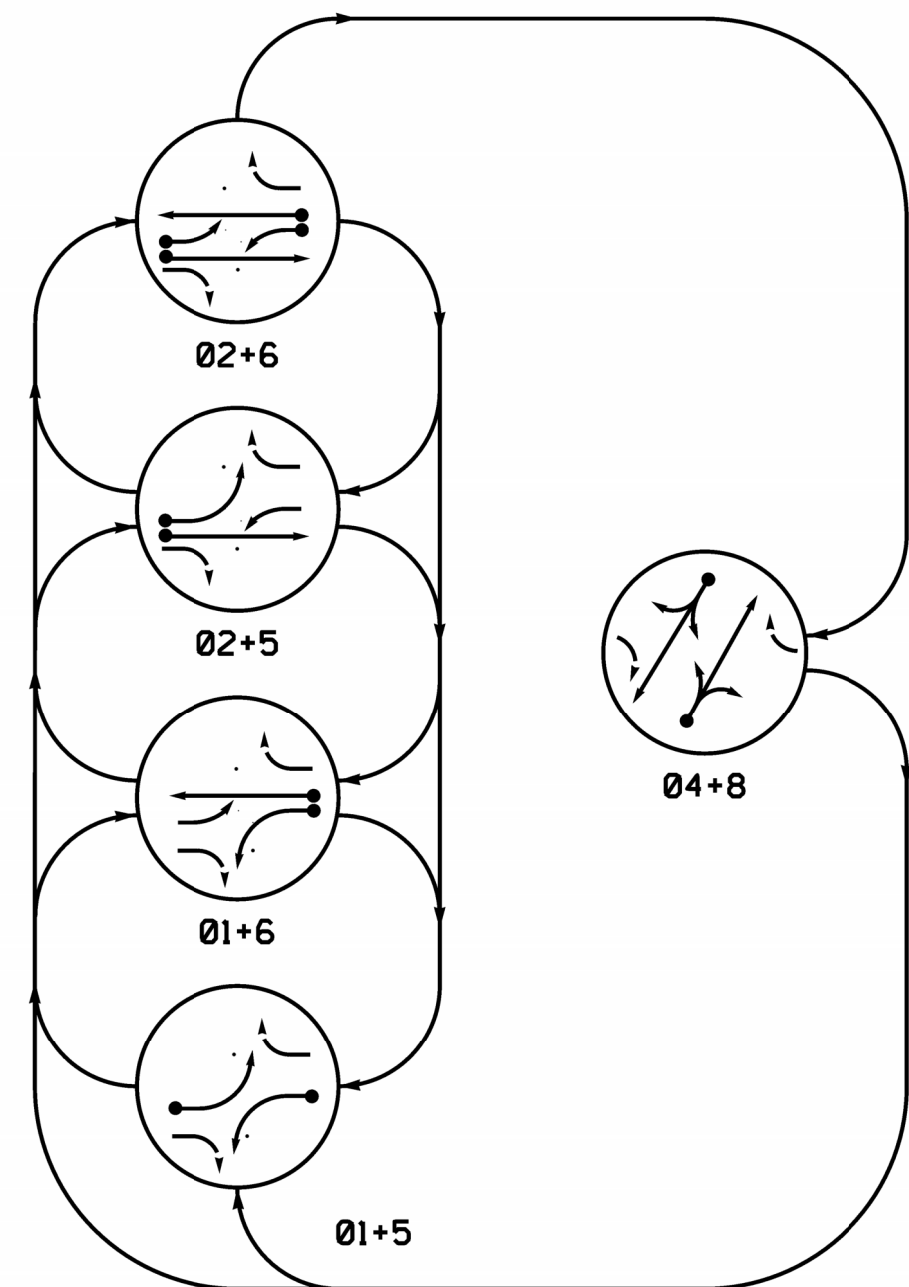
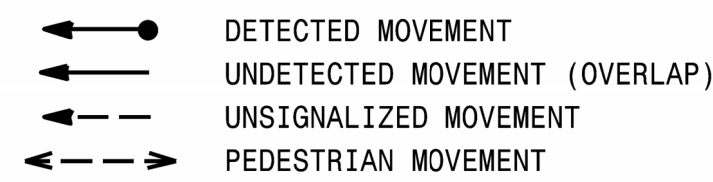


PHASING DIAGRAM



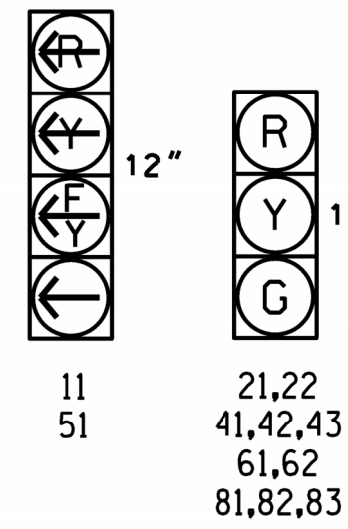
PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F L D S H I
11	-	-	F	F	R	Y
21,22	R	R	G	G	R	Y
41,42,43	R	R	R	R	G	R
51	-	F	-	F	R	Y
61,62	R	G	R	G	R	Y
81,82,83	R	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



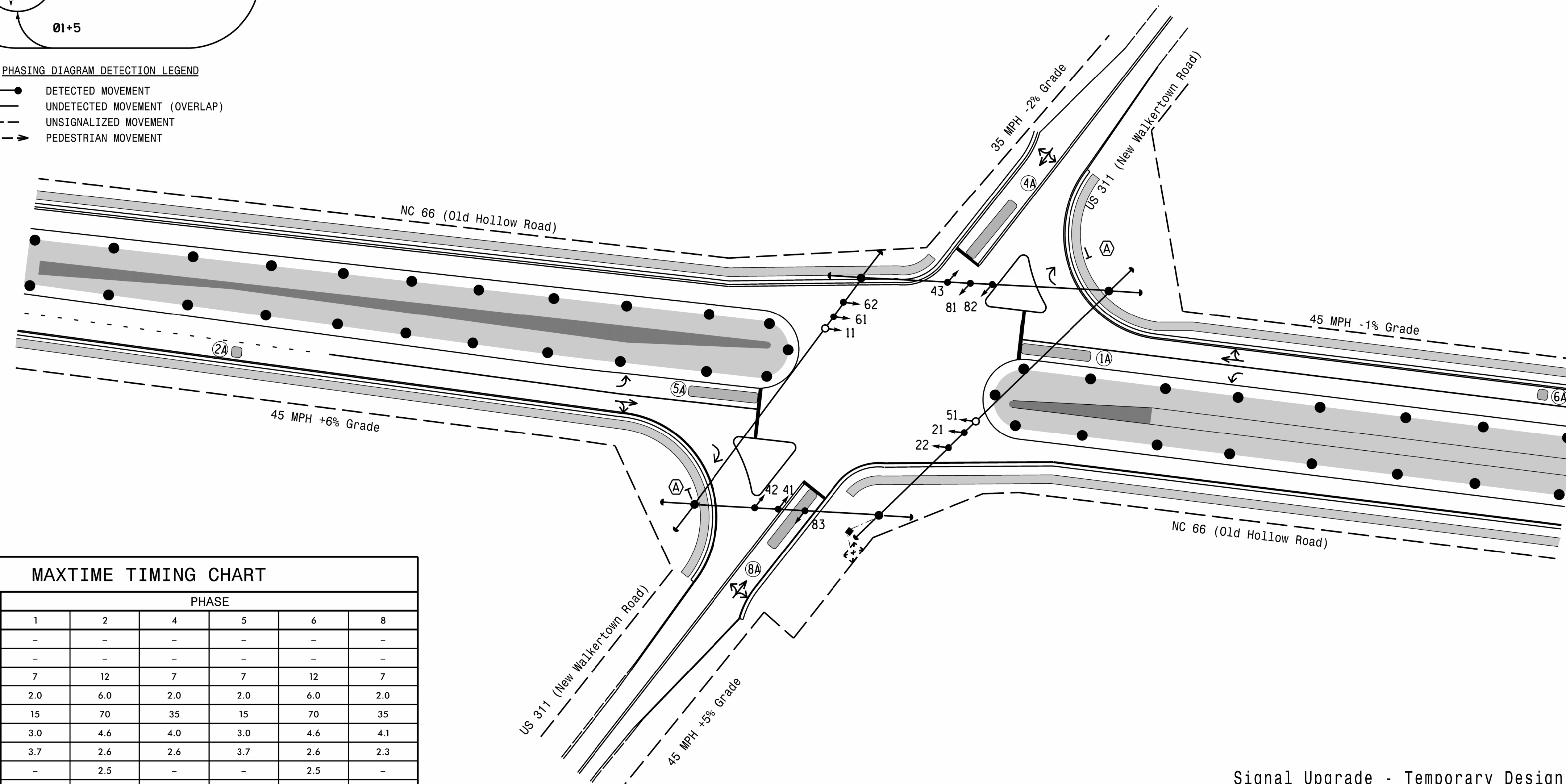
MAXTIME DETECTOR INSTALLATION CHART												
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A *	6X40	0	*	*	1	10.0	-	X	-	X	-	*
2A *	6X6	300	*	*	6	3.0	-	X	-	X	X	*
4A *	6X40	0	*	*	4	10.0	-	X	-	X	-	*
5A *	6X40	0	*	*	5	10.0	-	X	-	X	-	*
6A *	6X6	300	*	*	6	-	-	X	X	X	-	*
8A *	6X40	0	*	*	8	10.0	-	X	-	X	-	*

* Video Detection Zone

5 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- Reposition existing signal heads numbered 21 and 22.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



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
	Video Detection Zone		N/A
	Controller & Cabinet		N/A
	Junction Box		N/A
	2-in Underground Conduit		N/A
	Right of Way		N/A
	Directional Arrow		N/A
	"YIELD" Sign (R1-2)		N/A
	Construction Zone		N/A
	Construction Zone Drums		N/A

FEATURE	MAXTIME TIMING CHART					
	1	2	4	5	6	8
Walk *	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-
Min Green *	7	12	7	7	12	7
Passage *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	15	70	35	15	70	35
Yellow Change	3.0	4.6	4.0	3.0	4.6	4.1
Red Clear	3.7	2.6	2.6	3.7	2.6	2.3
Added Initial *	-	2.5	-	-	2.5	-
Maximum Initial *	-	34	-	-	34	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	-	X
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-
Dual Entry	-	-	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 Upgrade - Temporary Design 3 (TMP Phase III Step 1)

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: 750 N. Greenfield Pkwy, Garner, NC 27525	NC 66 (Old Hollow Road) at US 311 (New Walkertown Road)		SEAL Edward W. Sirgany, P.E. DATE						
		Division 9 Forsyth County Walkertown			PLAN DATE: August 2023 REVIEWED BY: J. Smith PREPARED BY: E. Sirgany REVIEWED BY:					
SCALE 0 40 1" = 40'		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	INIT.	DATE				DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SIG. INVENTORY NO. 09-034513
NO.	INIT.	DATE								