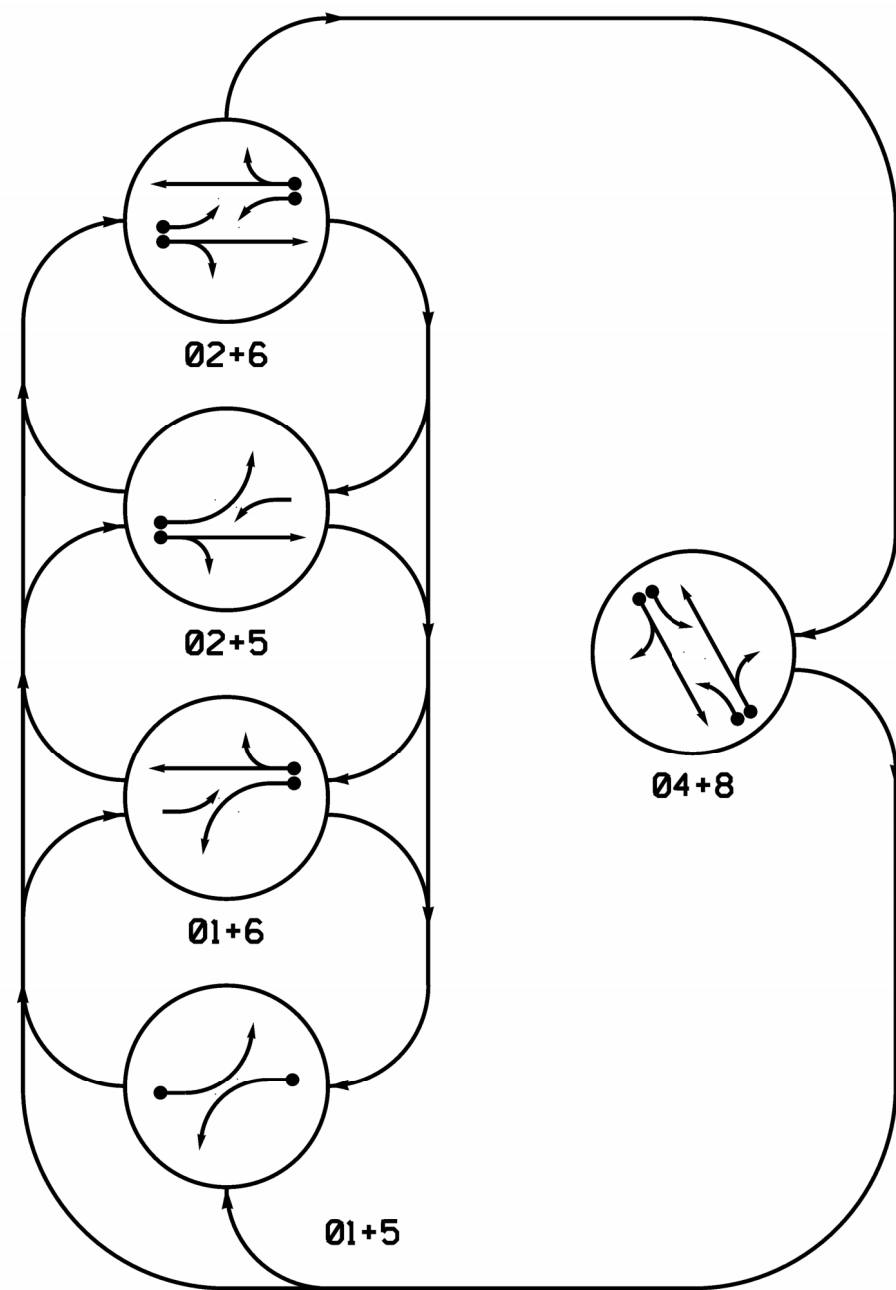


PHASING DIAGRAM



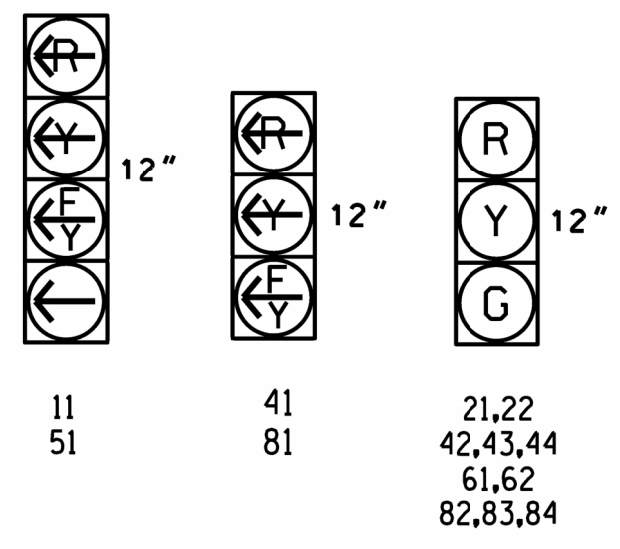
PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ← - - - → PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	04+8	F L U A
11	---	---	F	F	R	Y
21,22	R	R	G	G	R	Y
41	R	R	R	R	F	R
42,43,44	R	R	R	R	G	R
51	---	---	F	F	R	Y
61,62	R	G	R	G	R	Y
81	R	R	R	R	F	R
82,83,84	R	R	R	R	G	R

SIGNAL FACE I.D.

All Heads L-E-D.



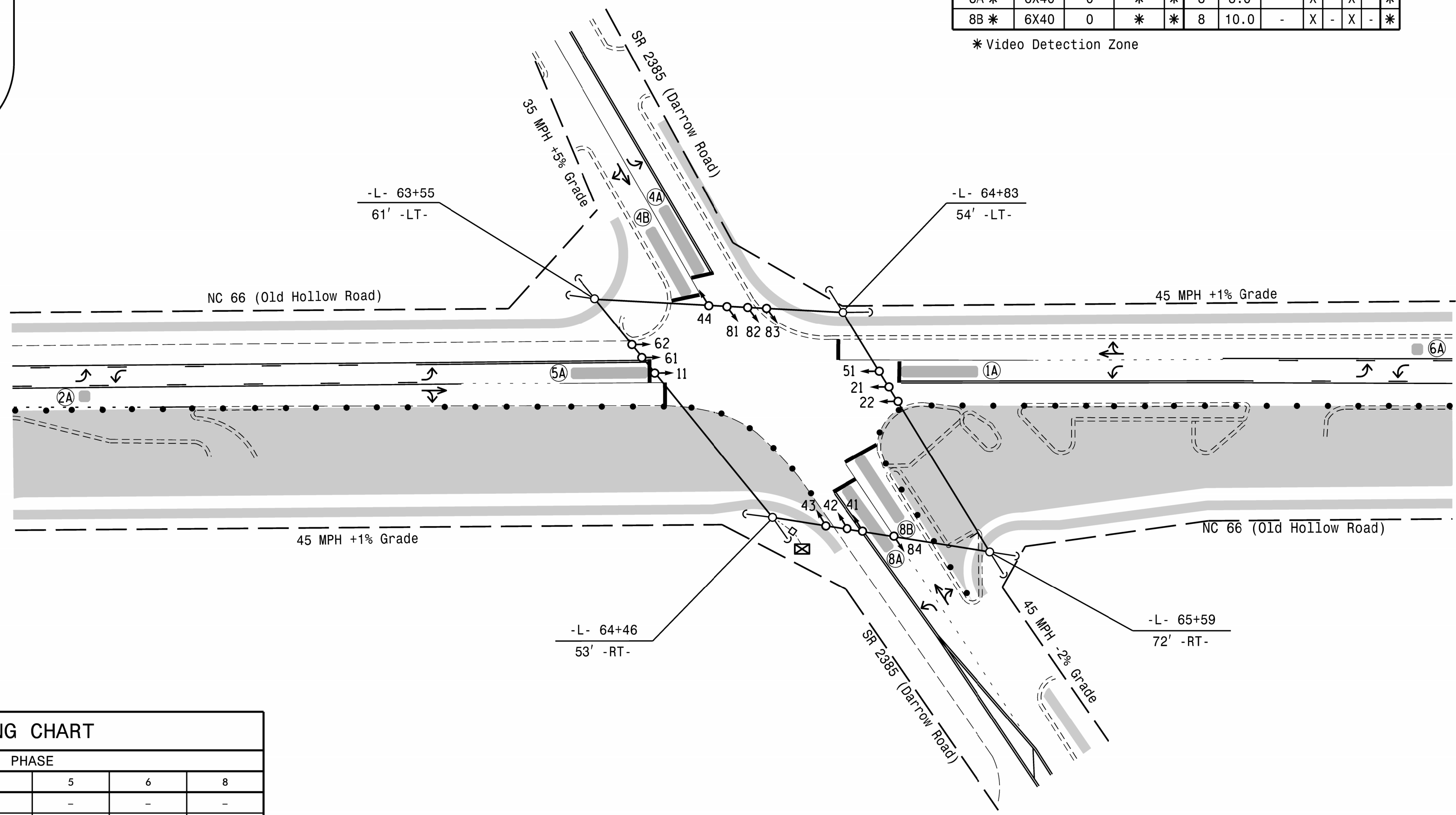
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL CALL	DELAY DURING GREEN	NEW CARD
1A *	6X40	0	*	*	1	15.0	-	X	-	X	*
					6	3.0	-	X	-	X	*
2A *	6X6	300	*	*	2	-	-	X	X	X	*
4A *	6X40	0	*	*	4	3.0	-	X	-	X	*
4B *	6X40	0	*	*	4	10.0	-	X	-	X	*
5A *	6X40	0	*	*	5	15.0	-	X	-	X	*
					2	3.0	-	X	-	X	*
6A *	6X6	300	*	*	6	-	-	X	X	X	*
8A *	6X40	0	*	*	8	3.0	-	X	-	X	*
8B *	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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



FEATURE	PHASE						
	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 I *	20	50	30	20	50	30	
Yellow Change	3.0	4.4	4.7	3.0	4.4	4.7	
Red Clear	2.4	1.4	2.6	2.1	1.4	2.6	
Added Initial *	-	3.0	-	-	3.0	-	
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.

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
○ → Modified Signal Head	N/A
⊥ Sign	⊥ Sign
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ Pedestrian Signal Head With Push Button & Sign
○ → 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  
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Prepared For:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 66 (Old Hollow Road) at SR 2385 (Darrow Road)

Division 9 Forsyth County Walkertown

PLAN DATE: August 2023 REVIEWED BY: E. Sirgany

PREPARED BY: J. Smith REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Edward W. Sirgany 9/7/2023

SIG. INVENTORY NO. 09-065411