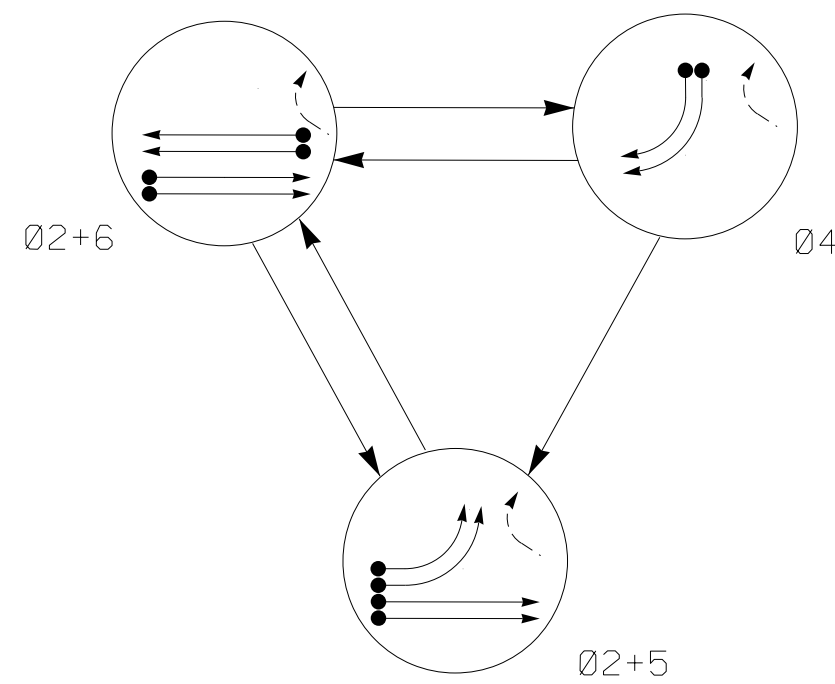


**PHASING DIAGRAM**

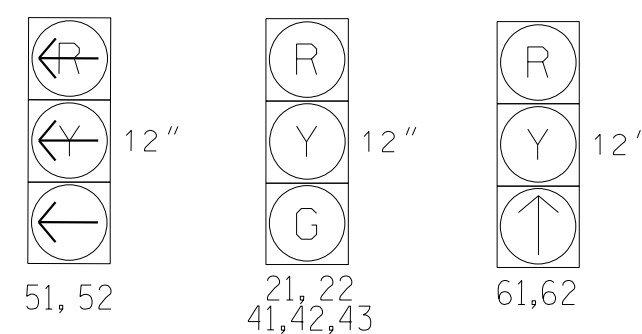


**PHASING DIAGRAM DETECTION LEGEND**

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

**SIGNAL FACE I.D.**

All Heads L.E.D.



**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	02+6	02+6	04	FLASH
21, 22	G	G	R	Y
41, 42, 43	R	R	G	R
51, 52	←	←	←	←
61, 62	R	↑	R	Y

**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

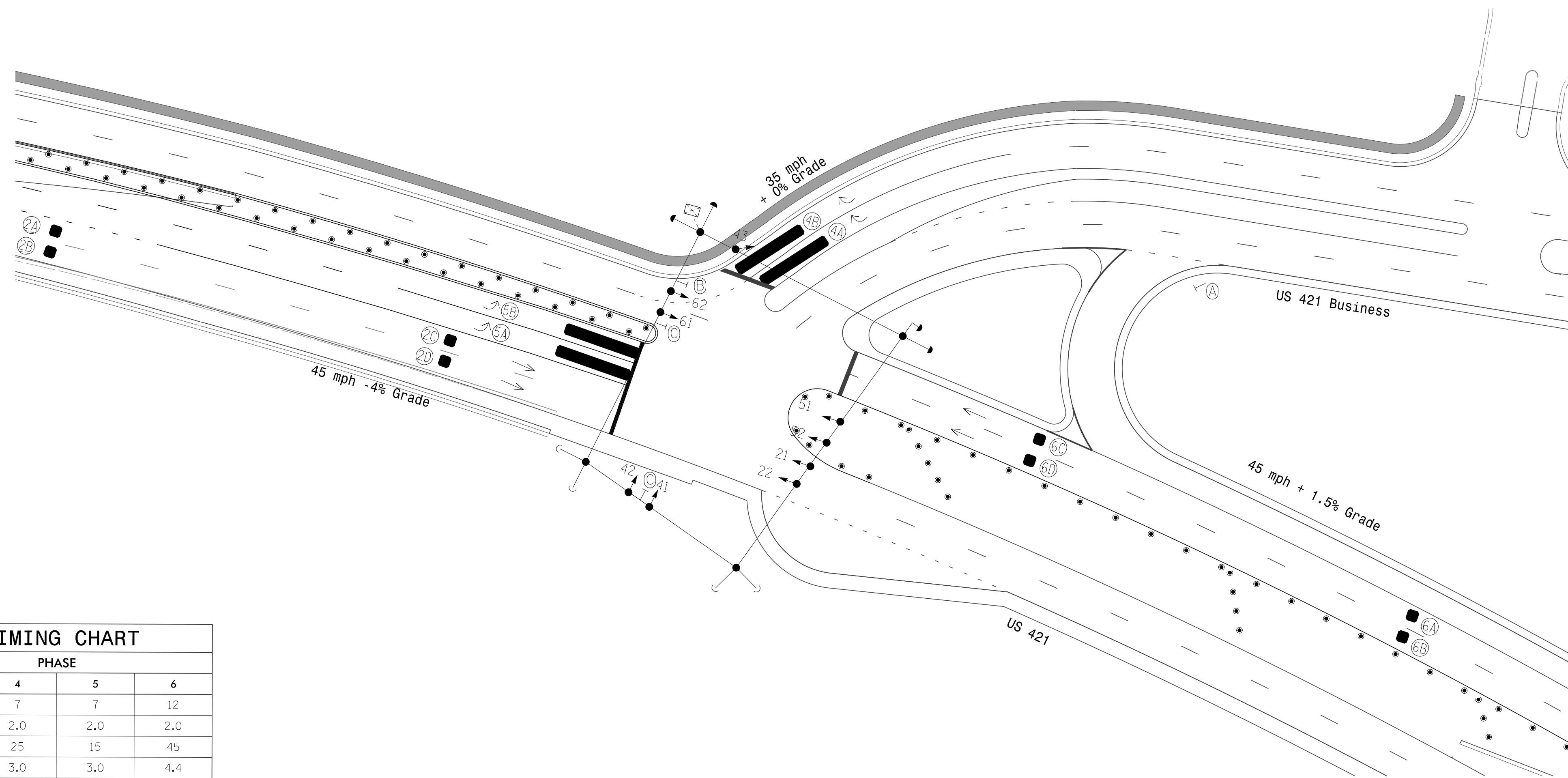
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A,2B	*	300	*	*	2	Y	Y	-	1.6	-	-	*
2C,2D	*	90	*	*	2	Y	Y	-	-	-	-	*
4A	*	0	*	*	4	Y	Y	-	-	-	-	*
4B	*	0	*	*	4	Y	Y	-	-	-	-	*
5A	*	0	*	*	5	Y	Y	-	-	-	-	*
5B	*	0	*	*	5	Y	Y	-	-	-	-	*
6A,6B	*	300	*	*	6	Y	Y	-	1.6	-	-	*
6C,6D	*	90	*	*	6	Y	Y	-	-	-	-	*

\* Video Detection Zone

**3 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 operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
6. Refer to Pavement Marking Plans for proposed stop bar locations.
7. Reposition existing signal heads as shown on the plans.



**LEGEND**

PROPOSED	EXISTING
○ Signal Pole with Guy	● Signal Pole with Sidewalk Guy
○ Traffic Signal Head	○ Sign
○ Pedestrian Signal Head With Push Button & Sign	○ Inductive Loop Detector
■ Video Detection Zone	N/A
■ Construction Zone	N/A
□ Controller & Cabinet	□ Junction Box
□ 2-in Underground Conduit	□ Right of Way
— E — Temporary Construction Easement	N/A
→ Directional Arrow	→
○ Type II Signal Pedestal	●
⊙ Yield Sign (R1-2)	⊙
⊙ No Right Turn (R3-1)	⊙
⊙ No Left Turn Sign (R3-2)	⊙
⊙ Left Arrow "Only" Sign (R3-5L)	⊙
● Drum	N/A
● Skinny Drum	N/A

**OASIS 2070 TIMING CHART**

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	2.0	2.0	2.0	2.0
Max Green 1 *	45	25	15	45
Yellow Clearance	4.9	3.0	3.0	4.4
Red Clearance	1.4	2.3	2.8	1.6
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension 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 4 (Phase 4)**

750 N. Greenfield Pkwy, Garner, NC 27529

**US 421 at US 421 Business**

Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles

PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma

SEAL

5/24/2023

REVISIONS	INIT.	DATE

SIG. INVENTORY NO. II-1146 T4

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