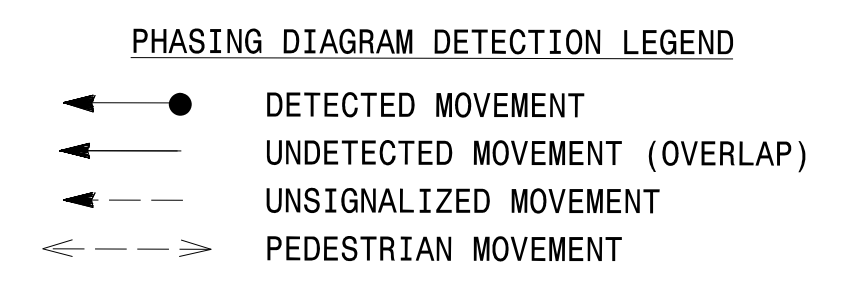
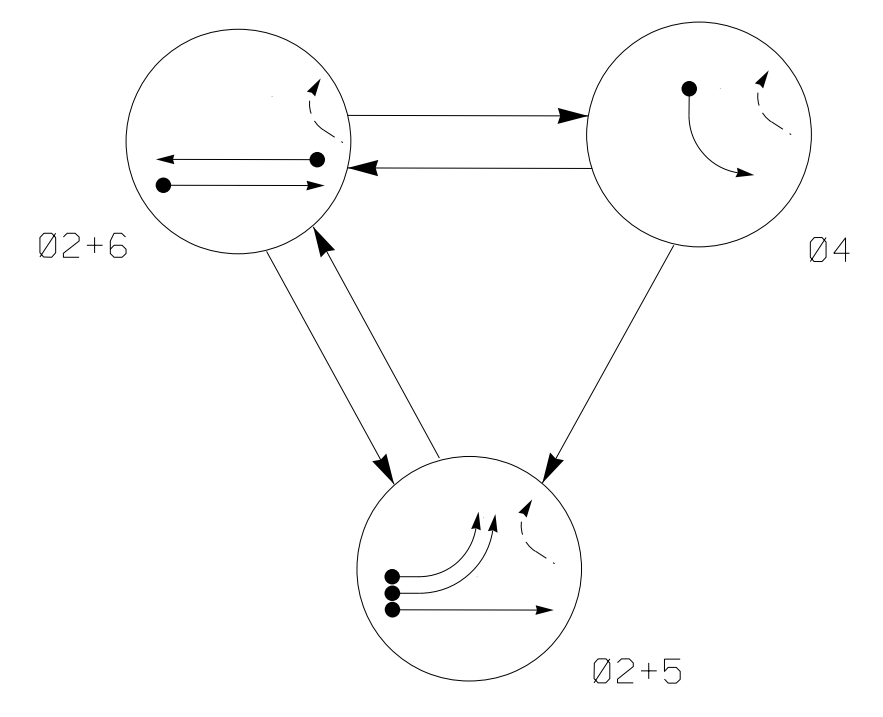


**PHASING DIAGRAM**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLASH
21, 22	G	G	R	Y
41, 42, 43	R	R	G	R
51, 52	←	←	←	Y
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	*	300	*	*	2	Y	Y	-	1.6	-	-	*
2B	*	90	*	*	2	Y	Y	-	-	-	-	*
4A	*	0	*	*	4	Y	Y	-	-	3	-	*
5A	*	0	*	*	5	Y	Y	-	-	-	-	*
5B	*	0	*	*	5	Y	Y	-	-	-	-	*
6A	*	300	*	*	6	Y	Y	-	1.6	-	-	*
6B	*	90	*	*	6	Y	Y	-	-	-	-	*

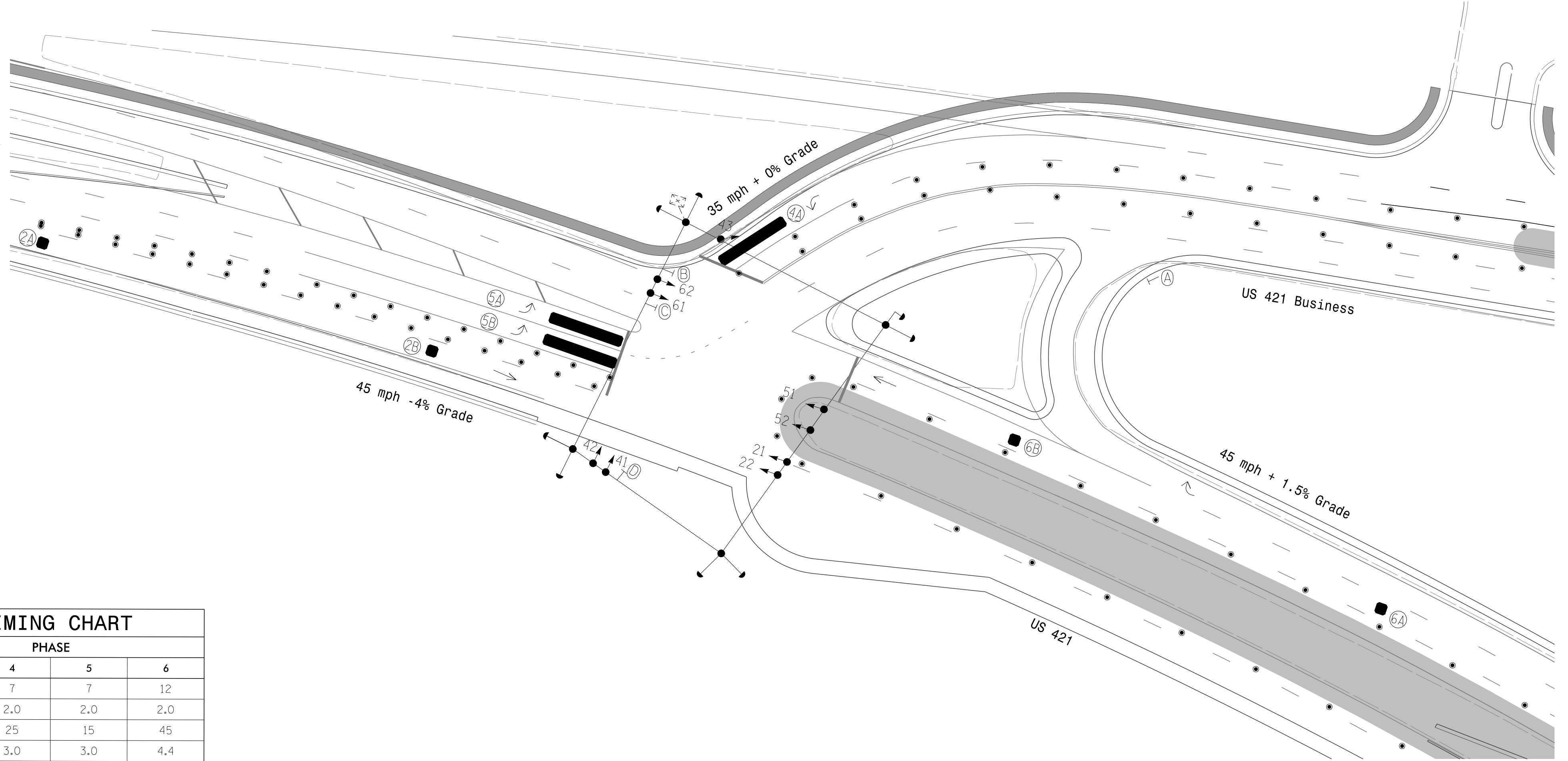
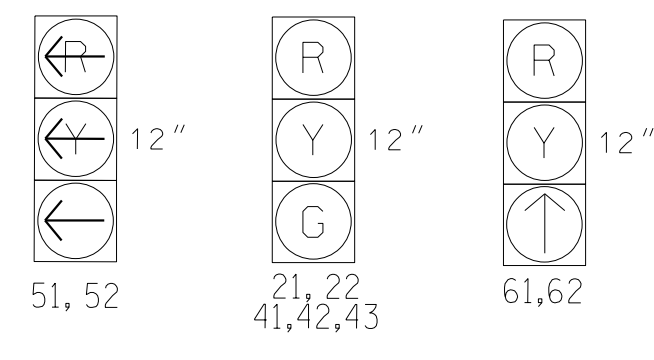
\*Video Detection Zone

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

**SIGNAL FACE I.D.**

All Heads L.E.D.



**LEGEND**

PROPOSED	LEGEND	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	3.3	2.9	1.4
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 2 (Phase 2)**

<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p><b>US 421 at US 421 Business</b></p>							
	<p>Division 11 Wilkes County Wilkesboro</p> <p>PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles</p> <p>PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	INIT.	DATE		
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