

PHASING DIAGRAM

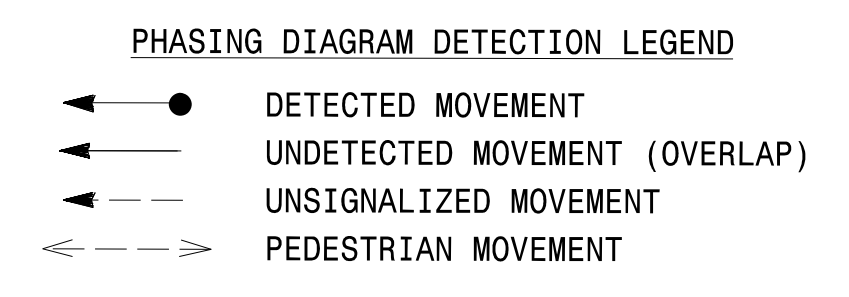
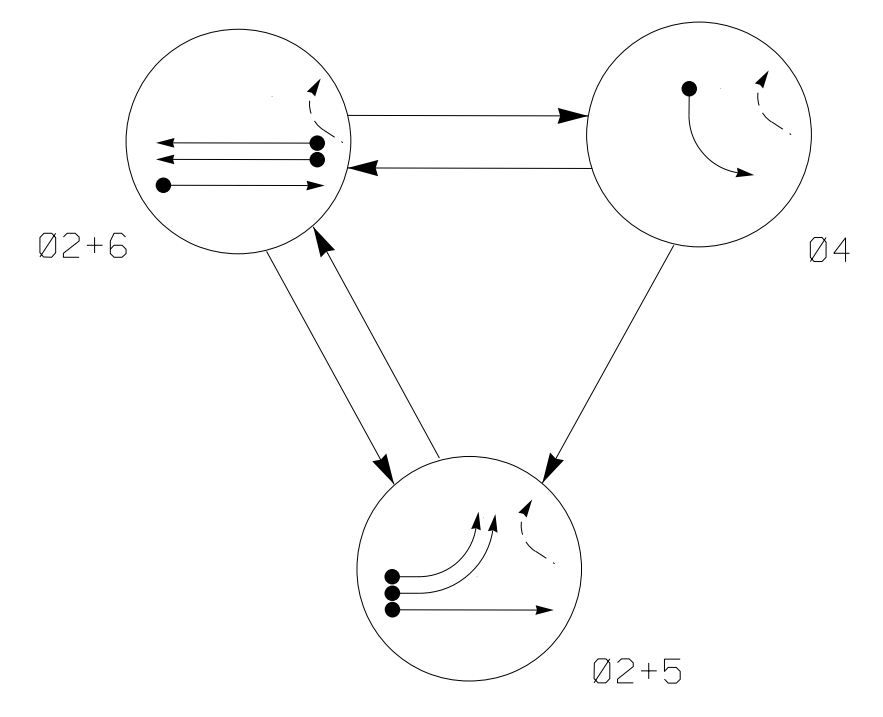


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	FLASH
21, 22	G	G	R	Y
41, 42, 43	R	R	G	R
51, 52	←	←	←	←
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, 6B	*	300	*	*	6	Y	Y	-	1.6	-	-	*
6C, 6D	*	90	*	*	6	Y	Y	-	-	-	-	*

*Video Detection Zone

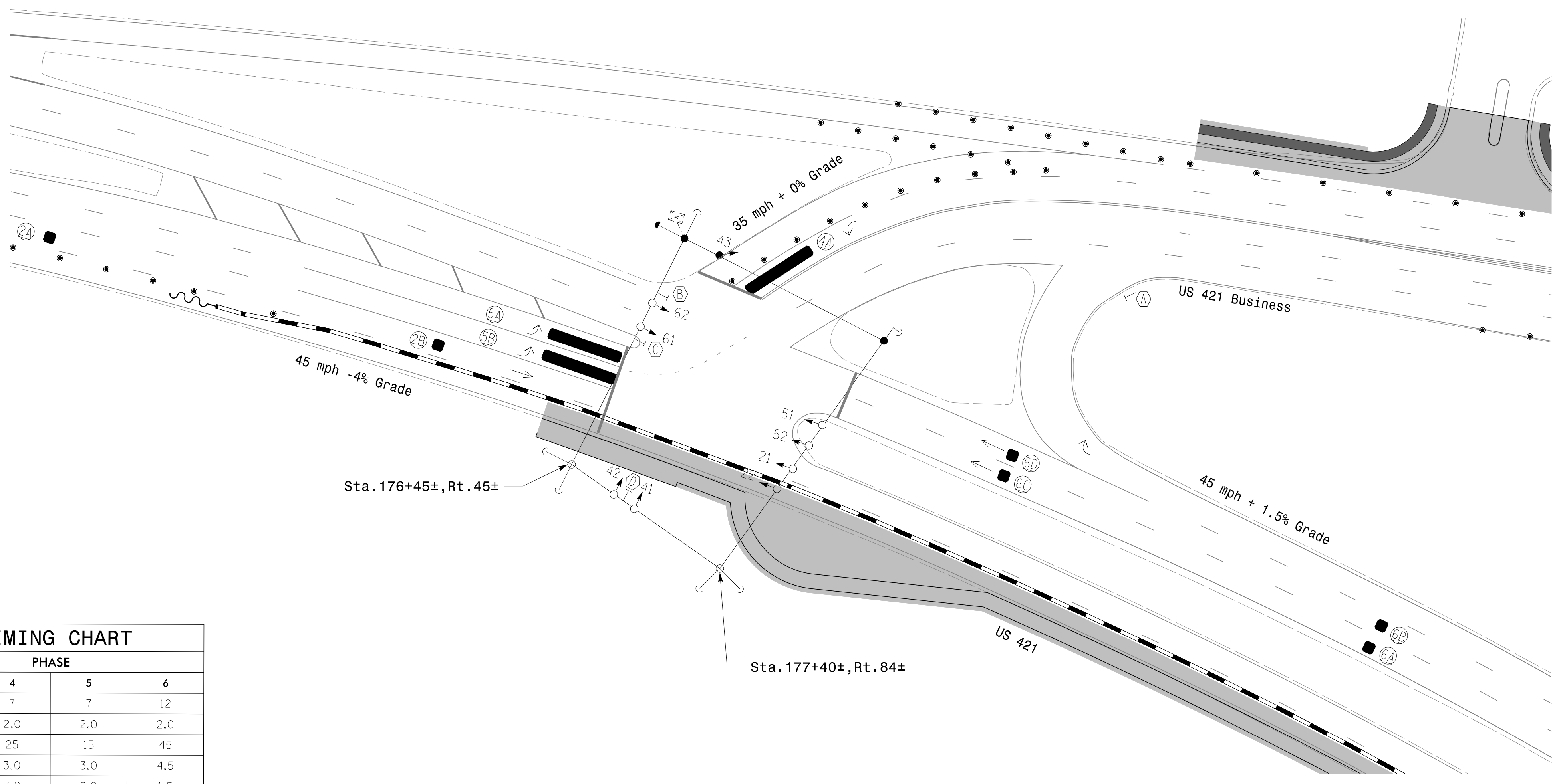
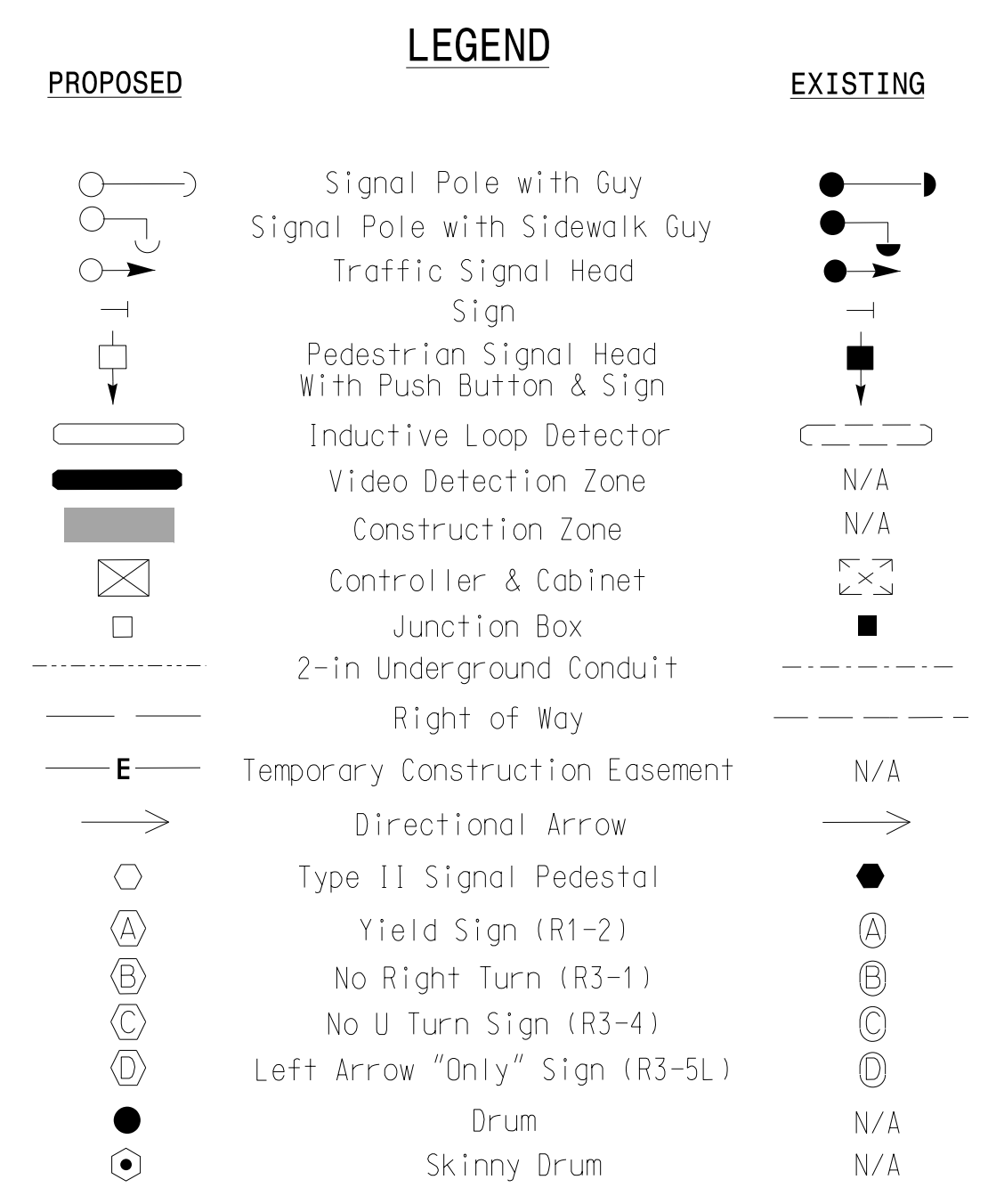
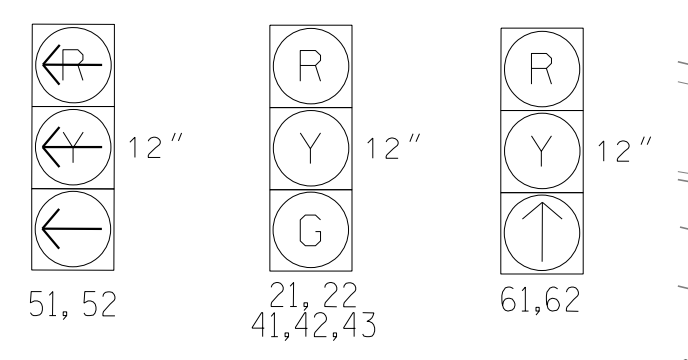
3 Phase Fully Actuated (Isolated)

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..

SIGNAL FACE I.D.

All Heads L.E.D.



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	4.5
Red Clearance	1.3	3.2	2.9	1.5
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.

New Installation - Temporary Design 1 (Phase 1)

	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	REVISIONS: _____ INIT: _____ DATE: _____	
SCALE: 1" = 40' 		DocuSigned by: S.R. Chiluka DATE: 5/26/2023 SIG. INVENTORY NO. II-1146T1	

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