

PHASING DIAGRAM

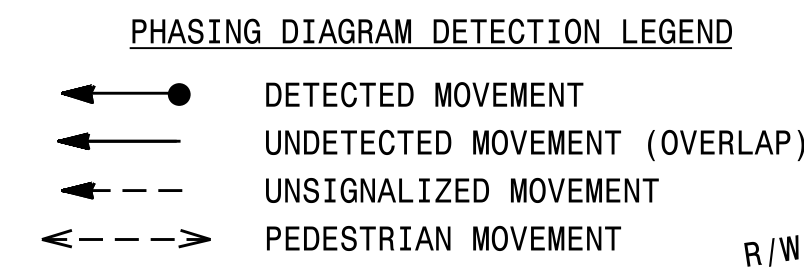
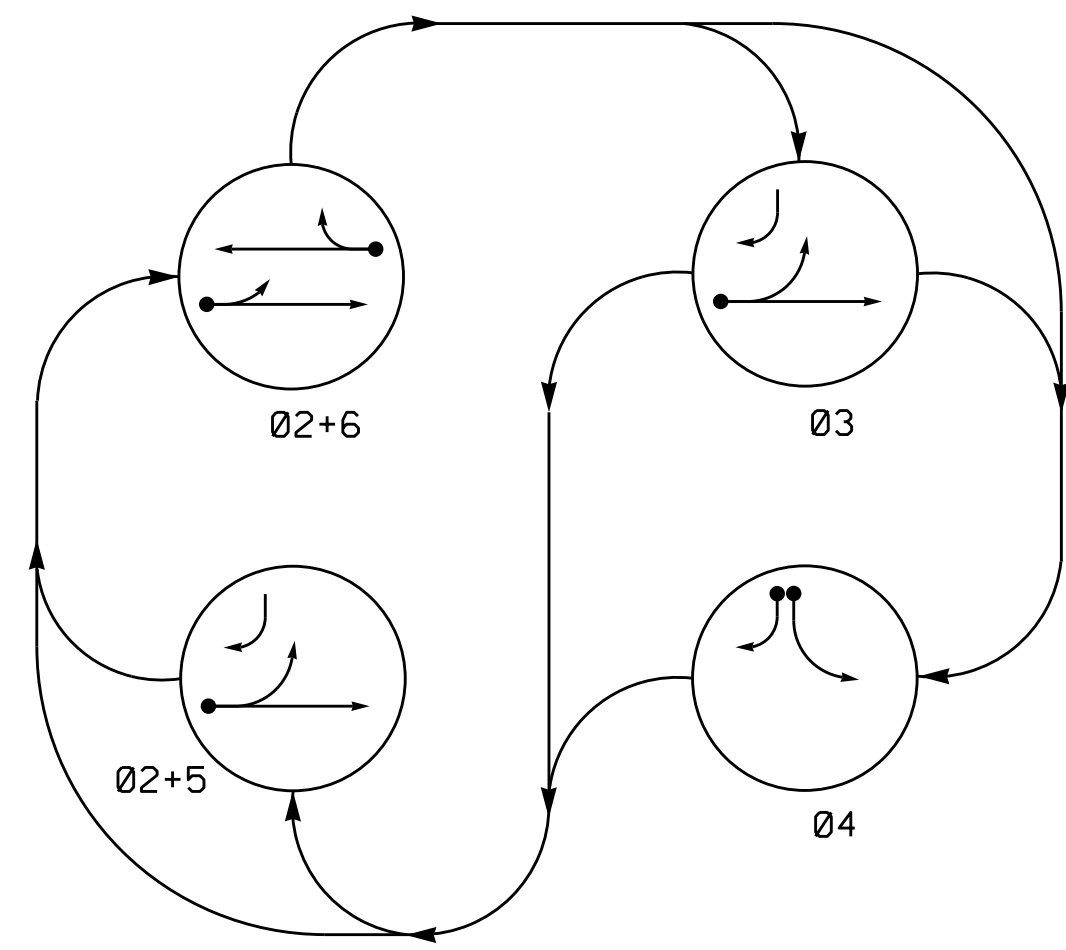
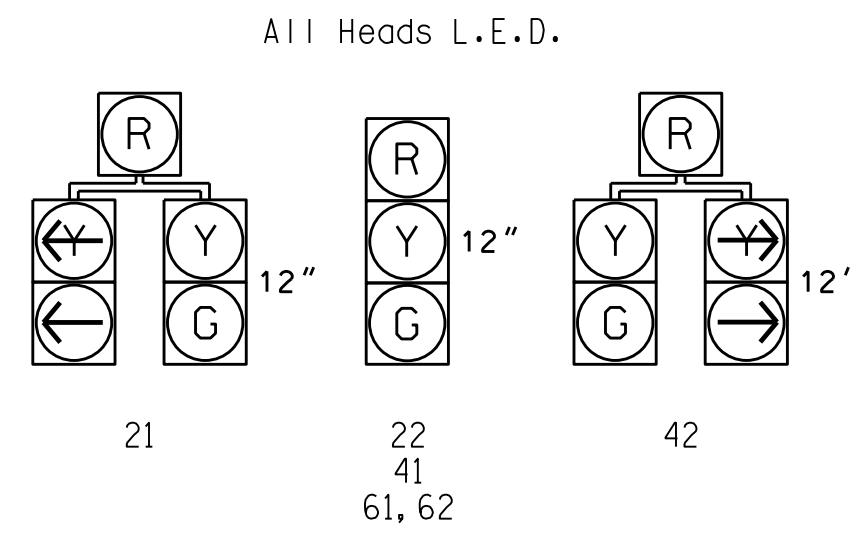


TABLE OF OPERATION

SIGNAL FACE	PHASE				
	Ø 2+5	Ø 2+6	Ø 3	Ø 4	FLASH
21	G	G	R	Y	
22	G	G	R	Y	
41	R	R	G	R	
42	R	R	G	R	
61, 62	R	G	R	Y	

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

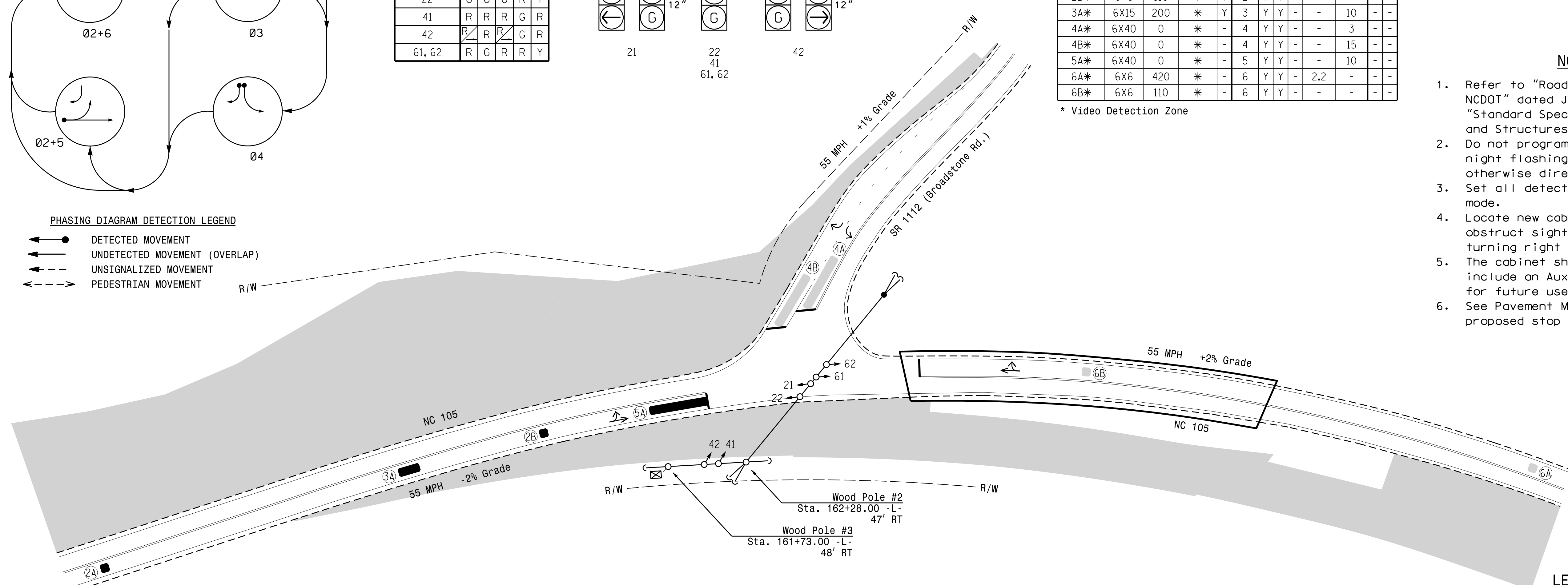
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			
2A*	6X6	420	*	Y	2	Y	Y	-	2.2	-	-
2B*	6X6	110	*	Y	2	Y	Y	-	-	-	-
3A*	6X15	200	*	Y	3	Y	Y	-	10	-	-
4A*	6X40	0	*	-	4	Y	Y	-	3	-	-
4B*	6X40	0	*	-	4	Y	Y	-	15	-	-
5A*	6X40	0	*	-	5	Y	Y	-	10	-	-
6A*	6X6	420	*	-	6	Y	Y	-	2.2	-	-
6B*	6X6	110	*	-	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 flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. The cabinet should be designed to include an Auxiliary Output file for future use.
6. See Pavement Marking Plans for proposed stop bar locations.



Wood Pole #2
Sta. 162+28.00 -L-
47' RT

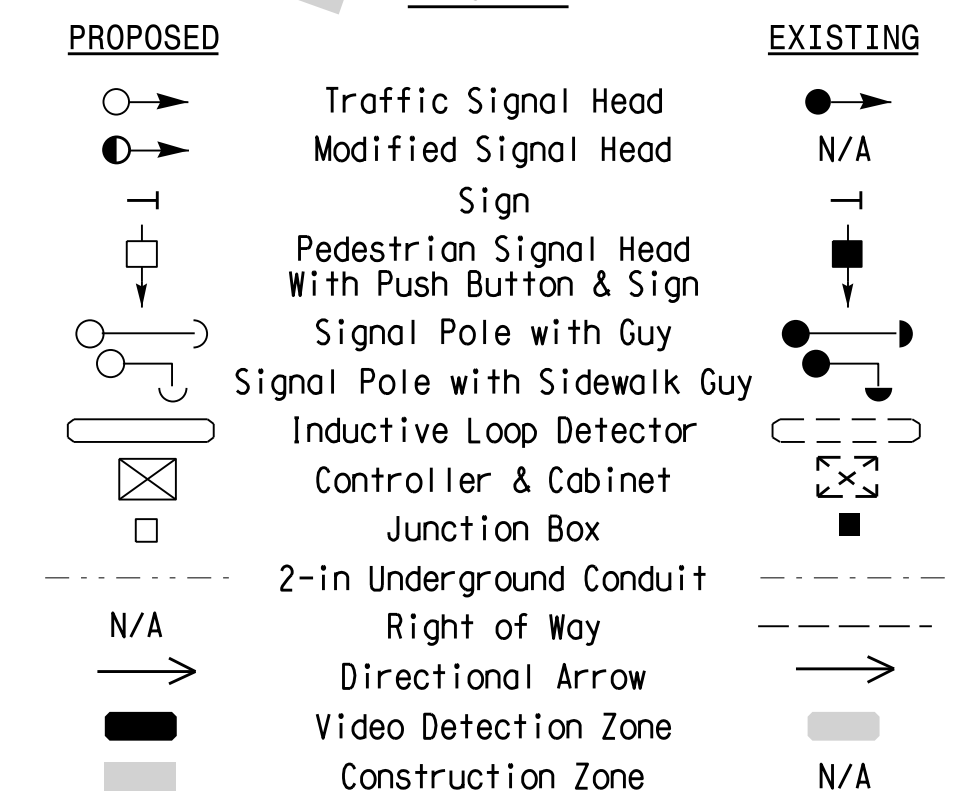
Wood Pole #3
Sta. 161+73.00 -L-
48' RT

OASIS 2070 TIMING CHART

FEATURE	PHASE				
	2	3	4	5	6
Min Green 1 *	14	7	7	7	14
Extension 1 *	2.0	2.0	2.0	2.0	2.0
Max Green 1 *	60	25	25	15	60
Yellow Clearance	5.4	5.4	3.0	3.0	5.4
Red Clearance	1.7	2.1	2.1	2.1	1.7
Red Revert	2.0	2.0	2.0	2.0	2.0
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	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.

LEGEND



Signal Upgrade - Temporary Design - Phase IB

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 105 at SR 1112 (Broadstone Rd.)

Division 11 Watauga County Boone

PLAN DATE: April 2019 REVIEWED BY: T.J. Williams

PREPARED BY: R.N. Zinser REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

043914

ENGINEER

R. N. ZINSE

5/16/2019

DATE

SIG. INVENTORY NO. II-1054T2

REVISIONS	INIT.	DATE