

PHASING DIAGRAM

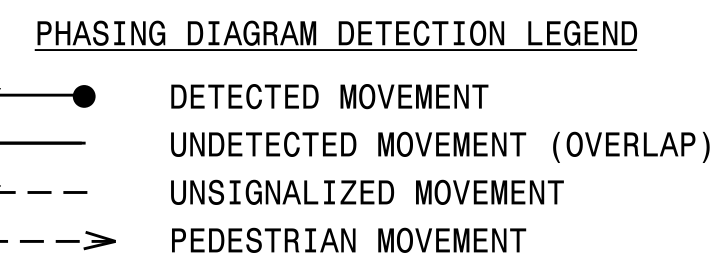
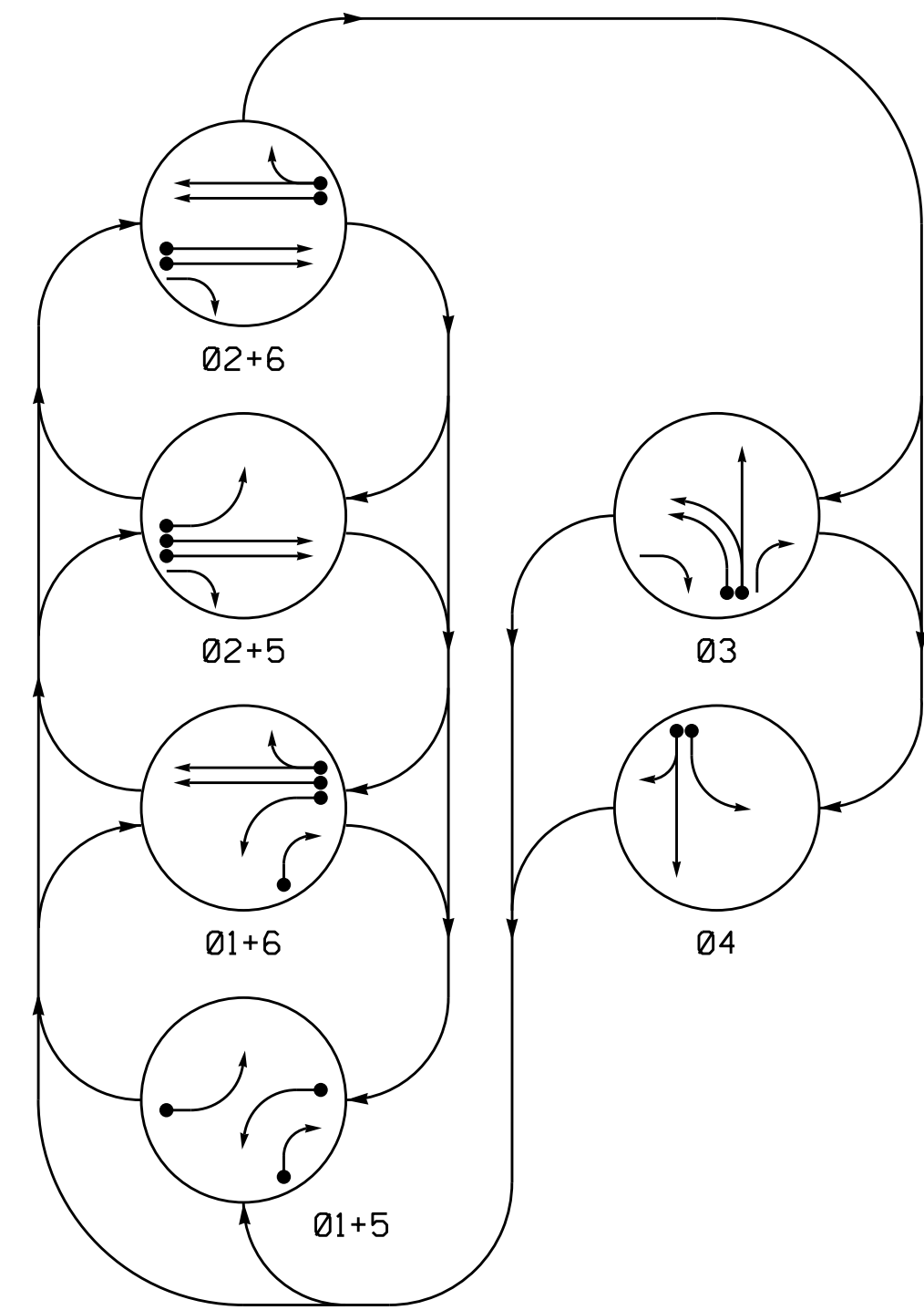
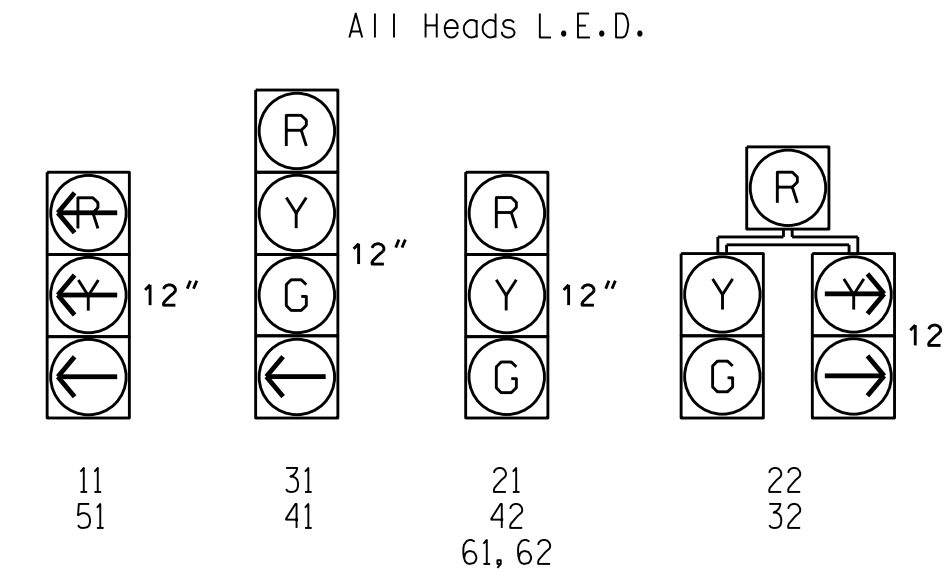


TABLE OF OPERATION

SIGNAL FACE	PHASE						LEFT	THRU	RIGHT
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3	Ø4			
11	←	←	←	←	←	←			
21	R	R	G	G	R	R	Y		
22	R	R	G	G	R	Y			
31	R	R	R	R	ⓒ	R	R		
32	R	R	R	R	G	R	R		
41	R	R	R	R	R	G	R		
42	R	R	R	R	R	G	R		
51	←	←	←	←	←	←			
61, 62	R	G	R	G	R	R	Y		

SIGNAL FACE I.D.



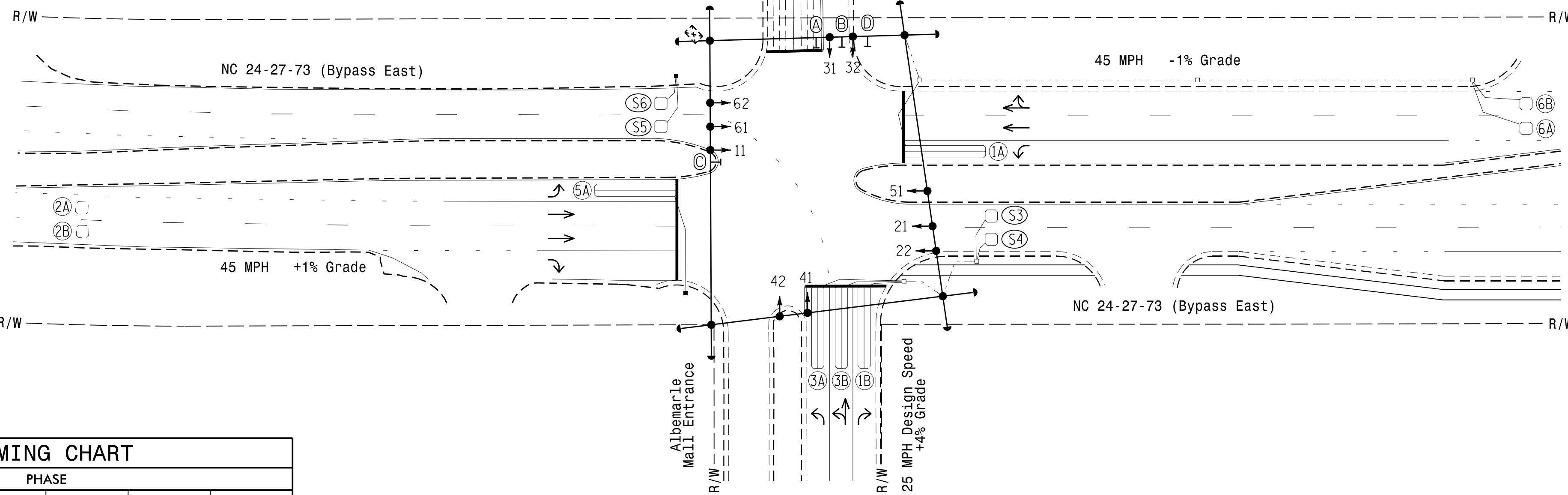
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	-	-	-
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-	-
2A	6X6	285	5	-	2	Y	Y	-	-	-	-	-
2B	6X6	285	5	-	2	Y	Y	-	-	-	-	-
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-
3B	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	3	-	-
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	10	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-	-
6A	6X6	300	5	Y	6	Y	Y	-	-	-	-	-
6B	6X6	300	5	Y	6	Y	Y	-	-	-	-	-
S3	6X6	+150	4	Y	-	-	-	-	-	-	Y	-
S4	6X6	+150	4	Y	-	-	-	-	-	-	Y	-
S5	6X6	+115	3	Y	-	-	-	-	-	-	Y	-
S6	6X6	+115	3	Y	-	-	-	-	-	-	Y	-

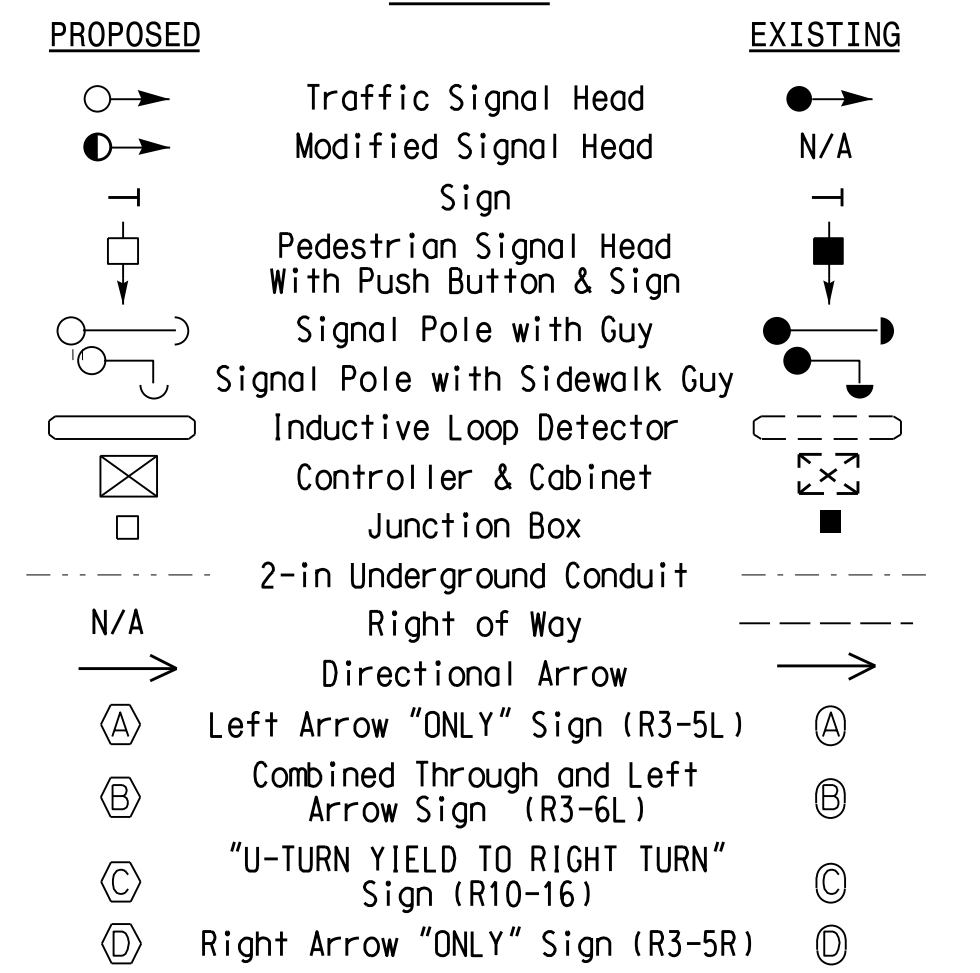
6 Phase Fully Actuated NC 24-27-73 (Bypass East) CLS

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.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- See Pavement Marking Plans for proposed stop bar locations.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #: 0731.



LEGEND



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1 *	7	12	7	7	7	12
Extension 1	2.0	6.0	2.0	2.0	2.0	6.0
Max Green 1 *	20	90	25	25	20	90
Yellow Clearance	3.0	4.6	3.0	3.1	3.0	4.6
Red Clearance	3.3	1.5	3.3	3.1	3.1	1.5
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5
Max Variable Initial *	-	33	-	-	-	34
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	ON	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.

Signal Upgrade - Final Design

NC 24-27-73 (Bypass East)  
at  
Eastgate Shopping Center/  
Albemarle Mall Entrance

Division 10 Stanly County Albemarle

PLAN DATE: October 2018 REVIEWED BY: T.J. Williams

PREPARED BY: R.N. Zinser REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
R. N. ZINSE  
11/2/2018  
DATE