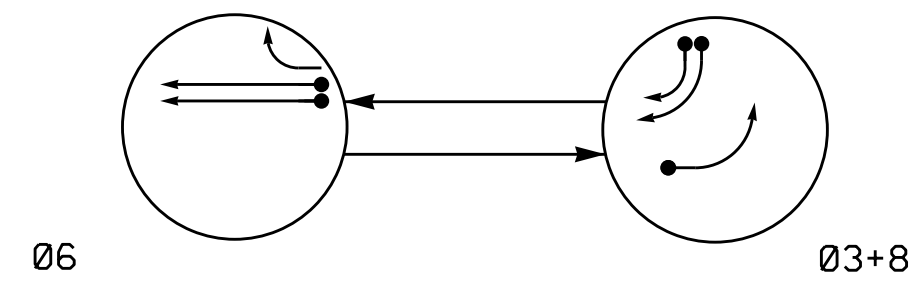


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

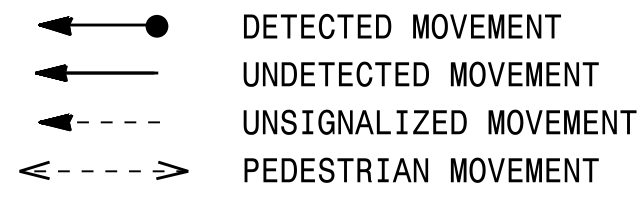


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03+8	F-L
31,32	R	G	R
33	R	-	R
61,62	G	R	Y
81,82	R	-	R

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
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-
6A/S05	6X6	300	4	Y	6	Y	Y	-	-	-	Y	-
6B/S06	6X6	300	4	Y	6	Y	Y	-	-	-	Y	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	20	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	20	-	-
S07	6X6	300	4	Y	-	-	-	-	-	-	Y	-
S08	6X6	300	4	Y	-	-	-	-	-	-	Y	-

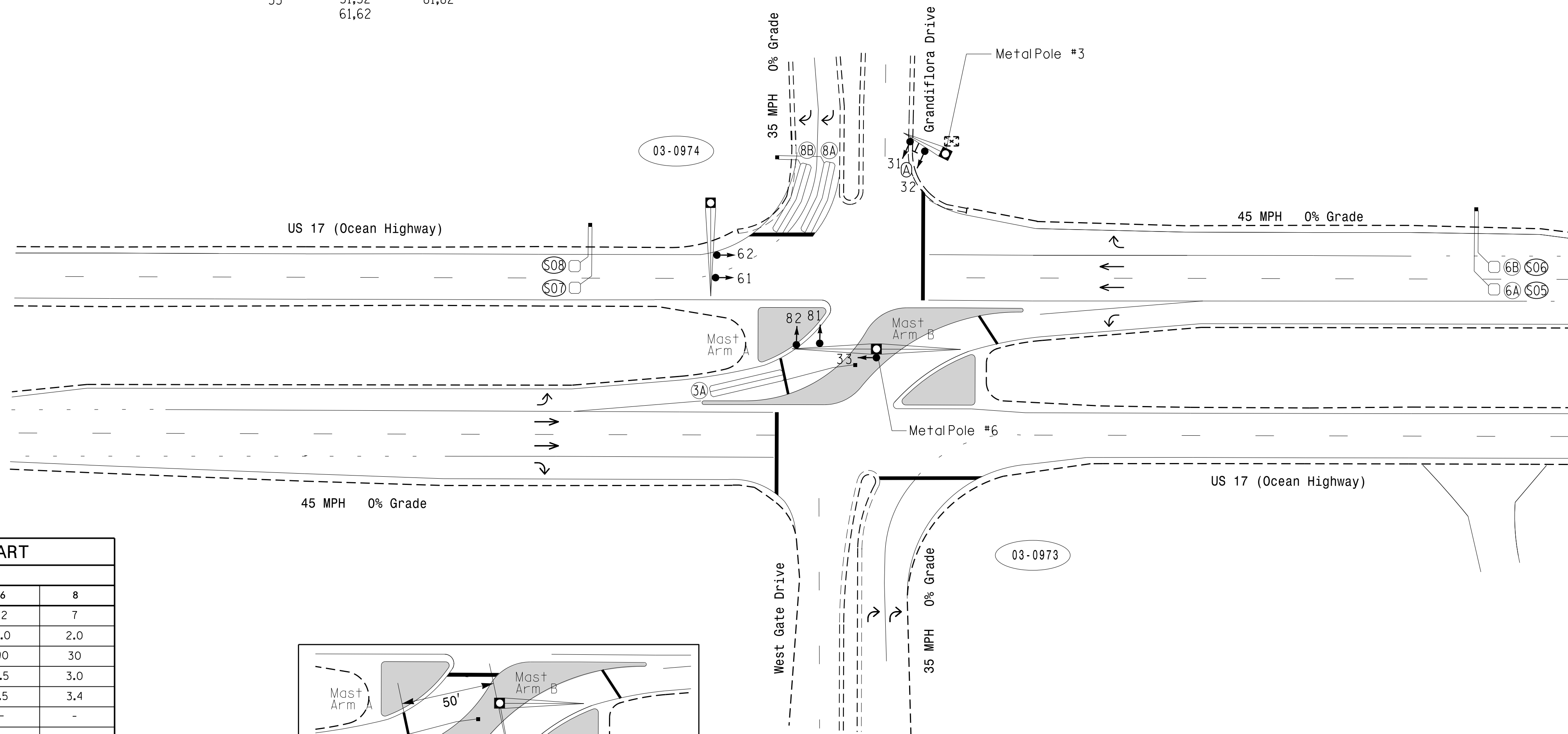
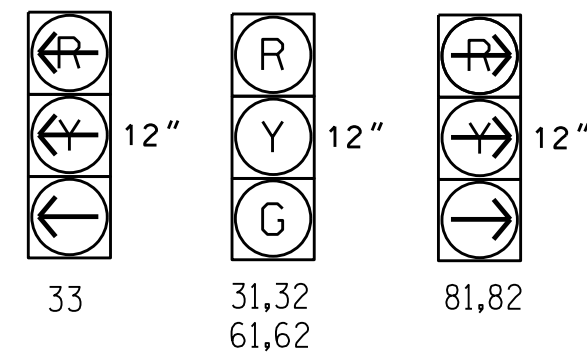
2 Phase Fully Actuated
US 17 (Ocean Highway) - Leland Superstreet
D03-12 Leland

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. Renumber existing heads 54 and 55 as 81 and 82, respectively. Renumber existing heads 51,52, and 53 as 31,32, and 33, respectively.
5. Renumber existing loops 5A,5B, and 5C as 3A,8A,and 8B, respectively.
6. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Signal System data: Controller Asset # 0974.

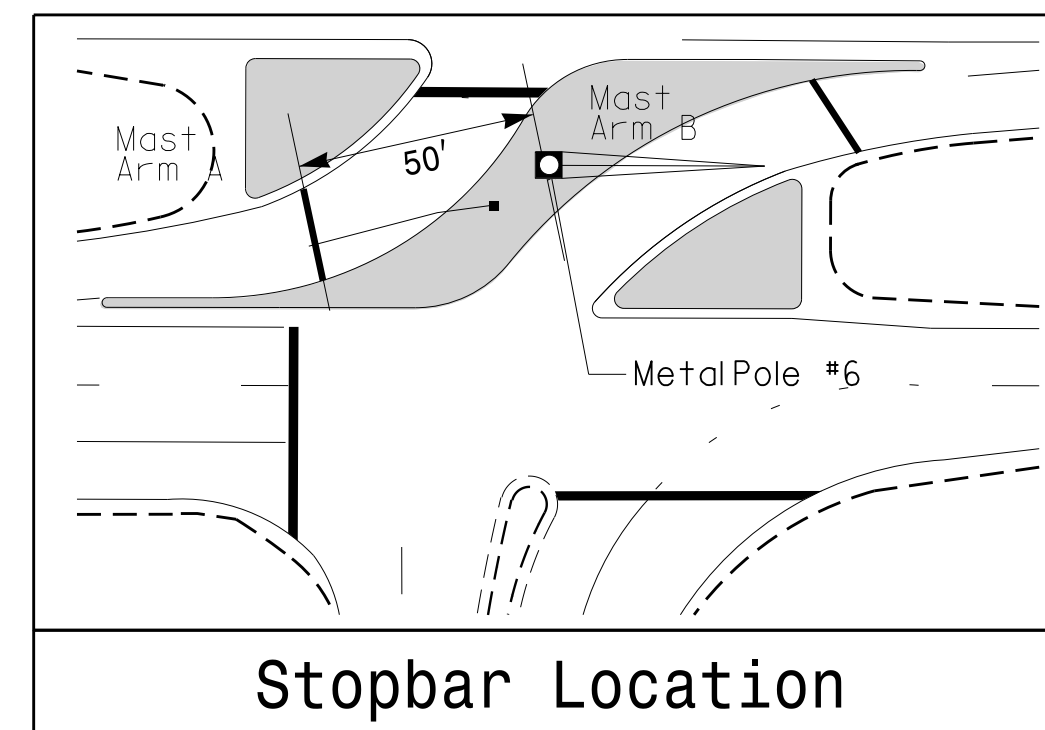
SIGNAL FACE I.D.

All Heads L.E.D.

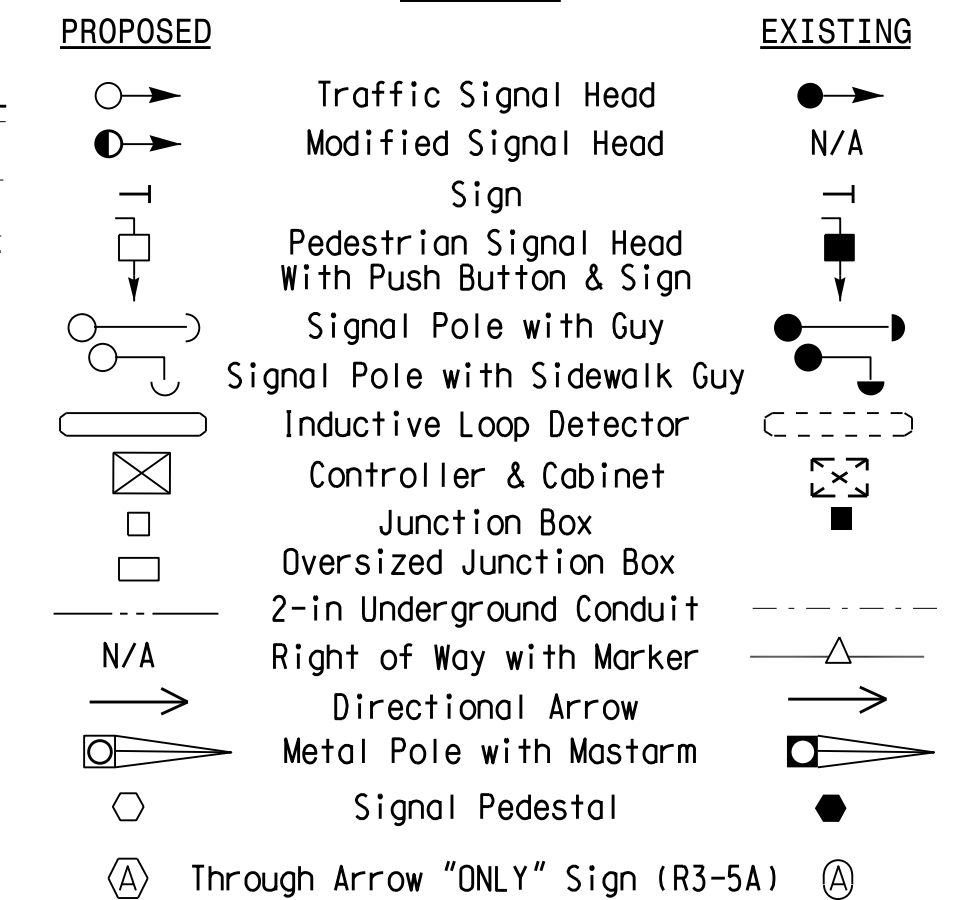


OASIS 2070 TIMING CHART

FEATURE	PHASE		
	3	6	8
Min Green 1 *	7	12	7
Extension 1 *	2.0	6.0	2.0
Max Green 1 *	30	90	30
Yellow Clearance	3.0	4.5	3.0
Red Clearance	3.4	1.5	3.4
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	1.5	-
Max Variable Initial *	-	34	-
Time Before Reduction *	-	15	-
Time To Reduction *	-	50	-
Minimum Gap	-	3.0	-
Recall Mode	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-
Dual Entry	ON	-	ON
Simultaneous Gap	ON	ON	ON



LEGEND



Signal Upgrade

Prepared in the Offices of:

US 17 (Ocean Highway) at Grandiflora Drive
 Division 3 Brunswick County Leland
 PLAN DATE: October 2021 REVIEWED BY: MEL
 PREPARED BY: Jeff Spence REVIEWED BY:
 SCALE: 1" = 40'
 REVISIONS: _____ INIT. DATE _____
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 SEAL: _____
 DATE: 10/26/2021
 SIG. INVENTORY NO. 03-0974

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.