

PHASING DIAGRAM

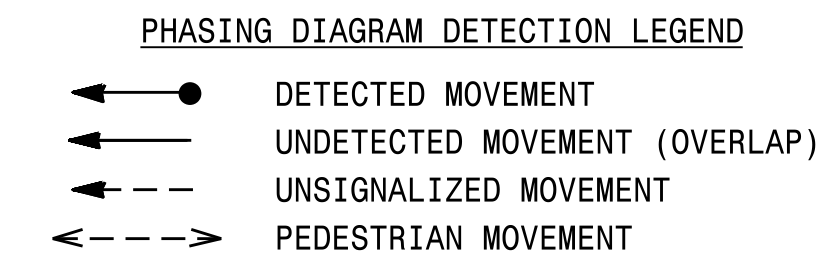
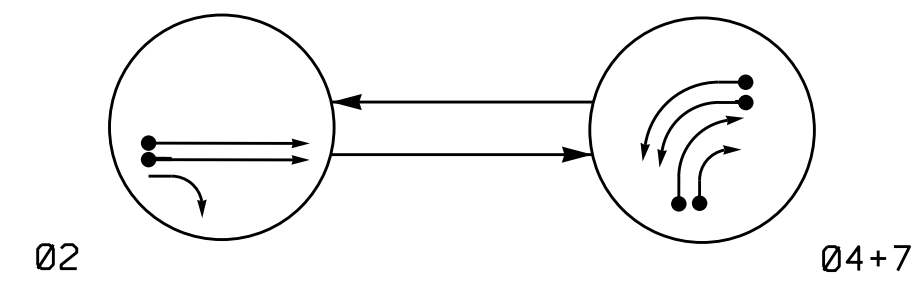
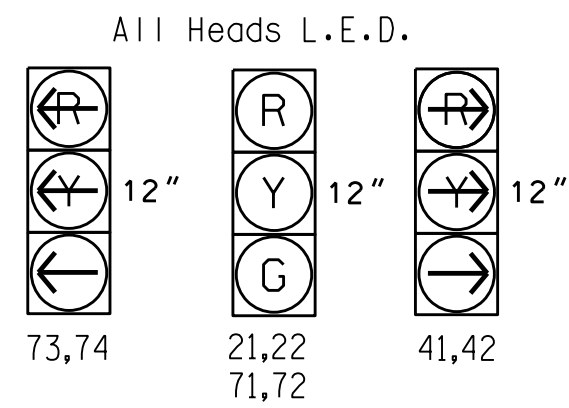


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	04+7	04+7
21,22	G	R	Y
41,42	R	Y	R
71,72	R	G	R
73,74	R	Y	R

SIGNAL FACE I.D.



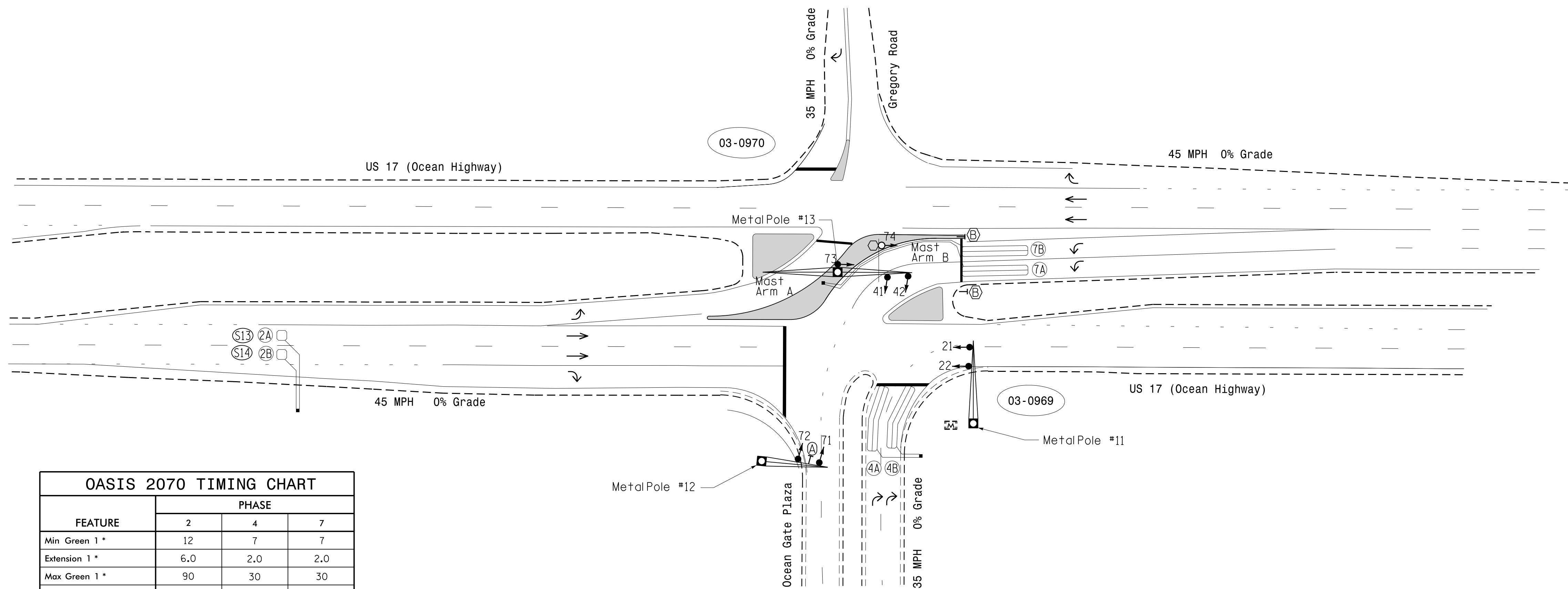
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS				DETECTOR PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A/S13	6X6	4	300	Y	2	Y	Y	-	-	-	Y	-
2B/S14	6X6	4	300	Y	2	Y	Y	-	-	-	Y	-
4A	6X40	2-4-2	0	Y	4	Y	Y	-	-	10	-	-
4B	6X40	2-4-2	0	Y	4	Y	Y	-	-	15	-	-
7A	6X40	2-4-2	0	Y	7	Y	Y	-	-	-	-	-
7B	6X40	2-4-2	0	Y	7	Y	Y	-	-	-	-	-

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

NOTES

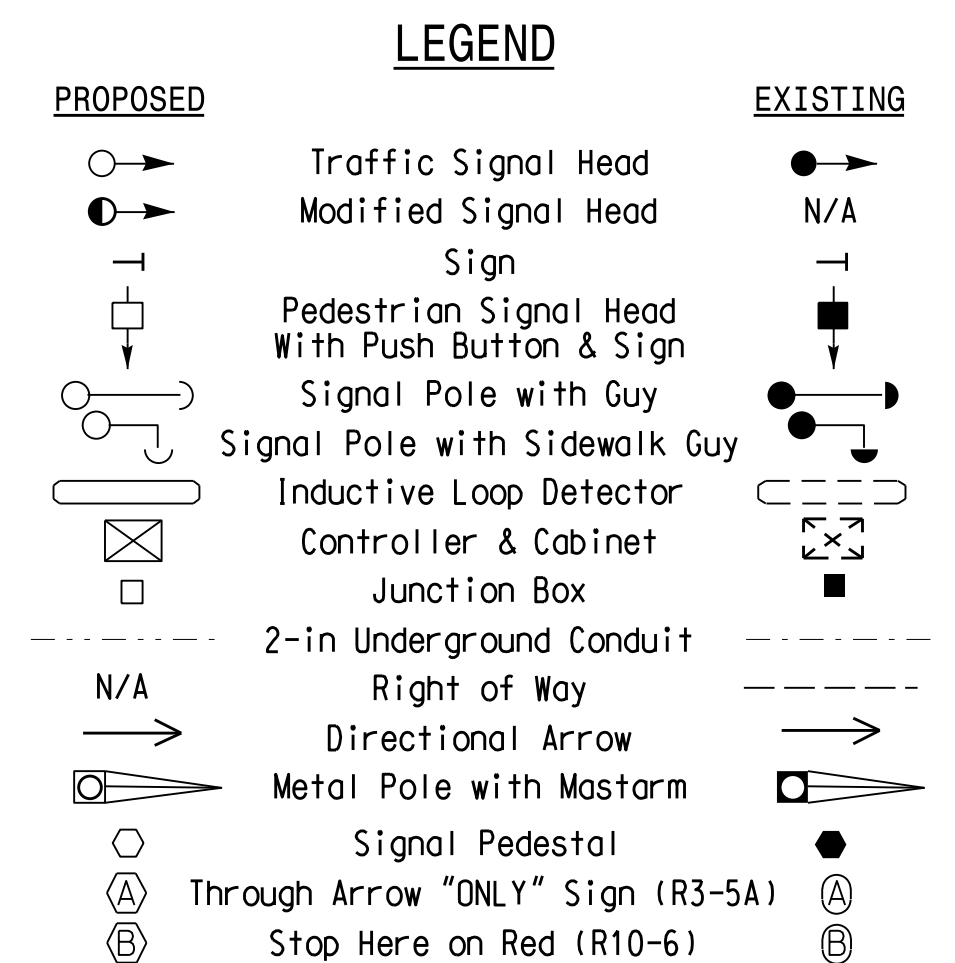
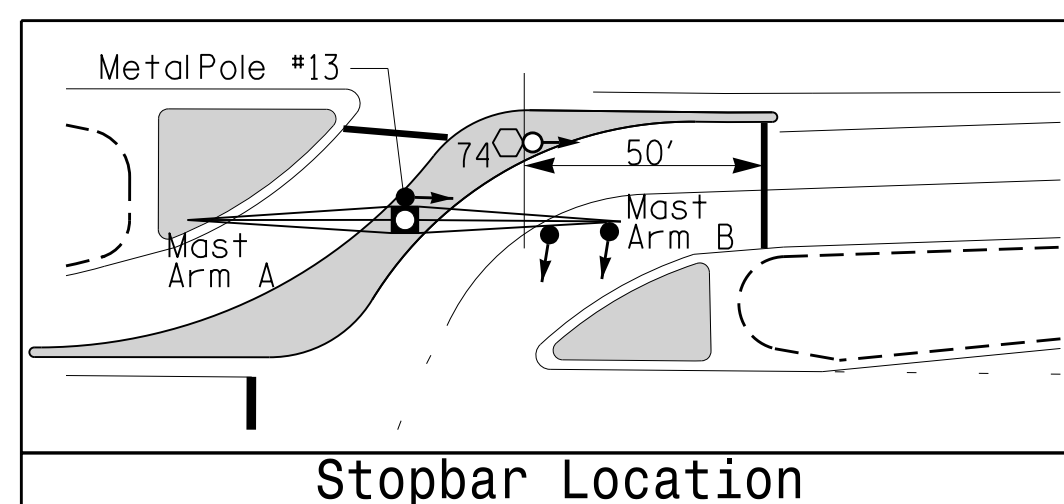
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Renumber existing heads 14 and 15 as 41 and 42, respectively. Renumbering existing heads 11,12, and 13 as 71,72, and 73 respectively.
- Renumbering existing loops 1A, 1B,1C, and 1D as 7A,7B,4A, and 4B, respectively.
- 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.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal System data:
Master Asset # 10312
Controller Asset # 0969



OASIS 2070 TIMING CHART

FEATURE	PHASE		
	2	4	7
Min Green 1 *	12	7	7
Extension 1 *	6.0	2.0	2.0
Max Green 1 *	90	30	30
Yellow Clearance	4.5	3.0	3.0
Red Clearance	1.4	4.0	4.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	1.5	-	-
Max Variable Initial *	34	-	-
Time Before Reduction *	15	-	-
Time To Reduce *	50	-	-
Minimum Gap	3.0	-	-
Recall Mode	MIN RECALL	-	-
Vehicle Call Memory	YELLOW	-	-
Dual Entry	-	ON	ON
Simultaneous Gap	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



Signal Upgrade

Prepared in the Offices of:
TRANSPORTATION MOBILITY AND SAFETY DIVISION
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
SIGNAL DESIGN SECTION
750 N. Greenfield Pkwy, Garner, NC 27529

US 17 (Ocean Highway) at Ocean Gate Plaza
Division 3 Brunswick County Leland
PLAN DATE: October 2021 REVIEWED BY: MEL
PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS: INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
MICHAEL E. LEBLANC
10/26/2021
SIG. INVENTORY NO. 03-0969