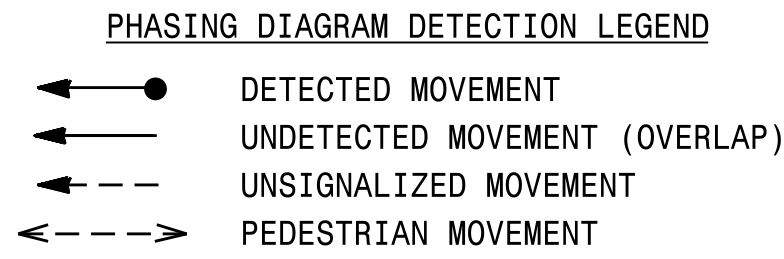
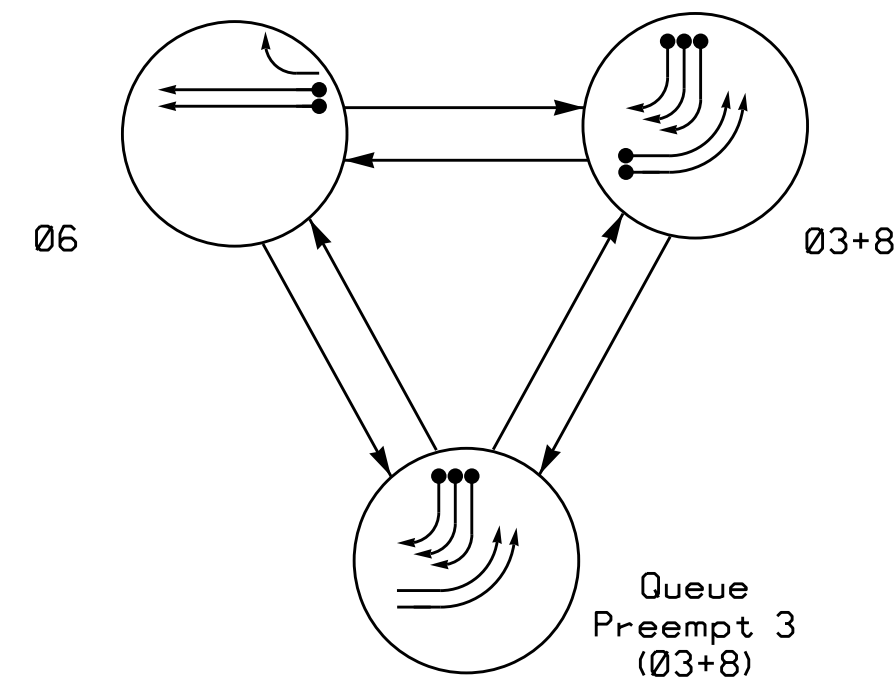
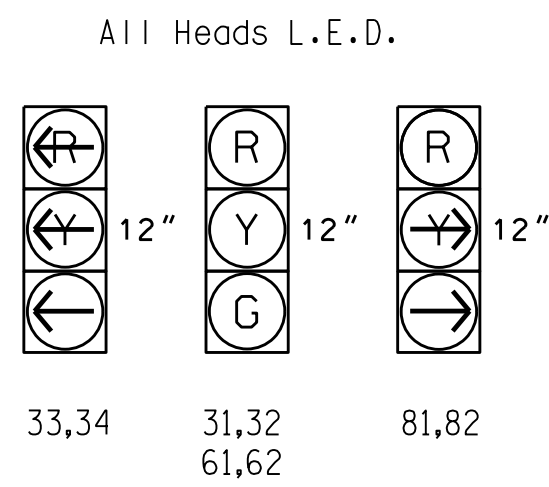


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	03+8	03	08	03+8
31,32	G	R	G	R
33,34	←	→	←	→
61,62	R	G	R	Y
81,82	←	→	←	→

SIGNAL FACE I.D.



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	3.6	1.8	3.6
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 phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

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	QUEUE MAX OCCUPANCY TIME	QUEUE GAP RESET TIME	PREEMPT INDEX FOR QUEUE	SYSTEM LOOP	NEW CARD	
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-	-	-	-	-
3B	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-	-	-	-	-
01	6X6	325	-	-	Pre 3	Y	Y	-	-	-	5	0.1	3	-	-	-
02	6X6	325	-	-	Pre 3	Y	Y	-	-	-	5	0.1	3	-	-	-
6A/S01	6X6	300	4	Y	6	Y	Y	-	-	-	-	-	-	-	-	Y
6B/S02	6X6	300	4	Y	6	Y	Y	-	-	-	-	-	-	-	-	Y
8A	6X40	+10	2-4-2	Y	8	Y	Y	-	-	-	-	-	-	-	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-	-	-	-	-	-
8C	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-	-	-	-	-	Y

2070 QUEUE PREEMPT 3

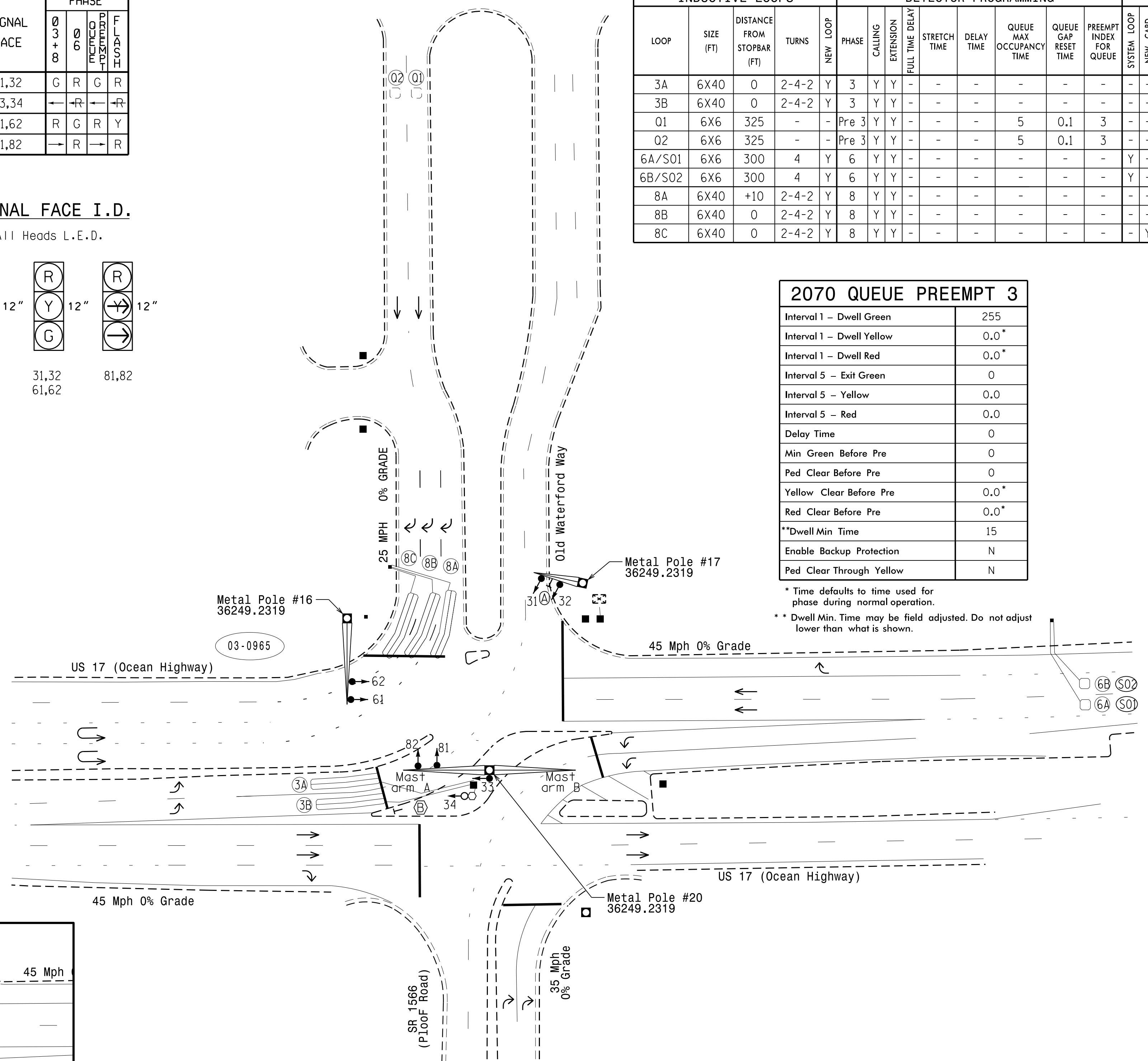
Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	0.0*
Interval 1 - Dwell Red	0.0*
Interval 5 - Exit Green	0
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Delay Time	0
Min Green Before Pre	0
Ped Clear Before Pre	0
Yellow Clear Before Pre	0.0*
Red Clear Before Pre	0.0*
**Dwell Min Time	15
Enable Backup Protection	N
Ped Clear Through Yellow	N

* Time defaults to time used for phase during normal operation.
 ** Dwell Min. Time may be field adjusted. Do not adjust lower than what is shown.

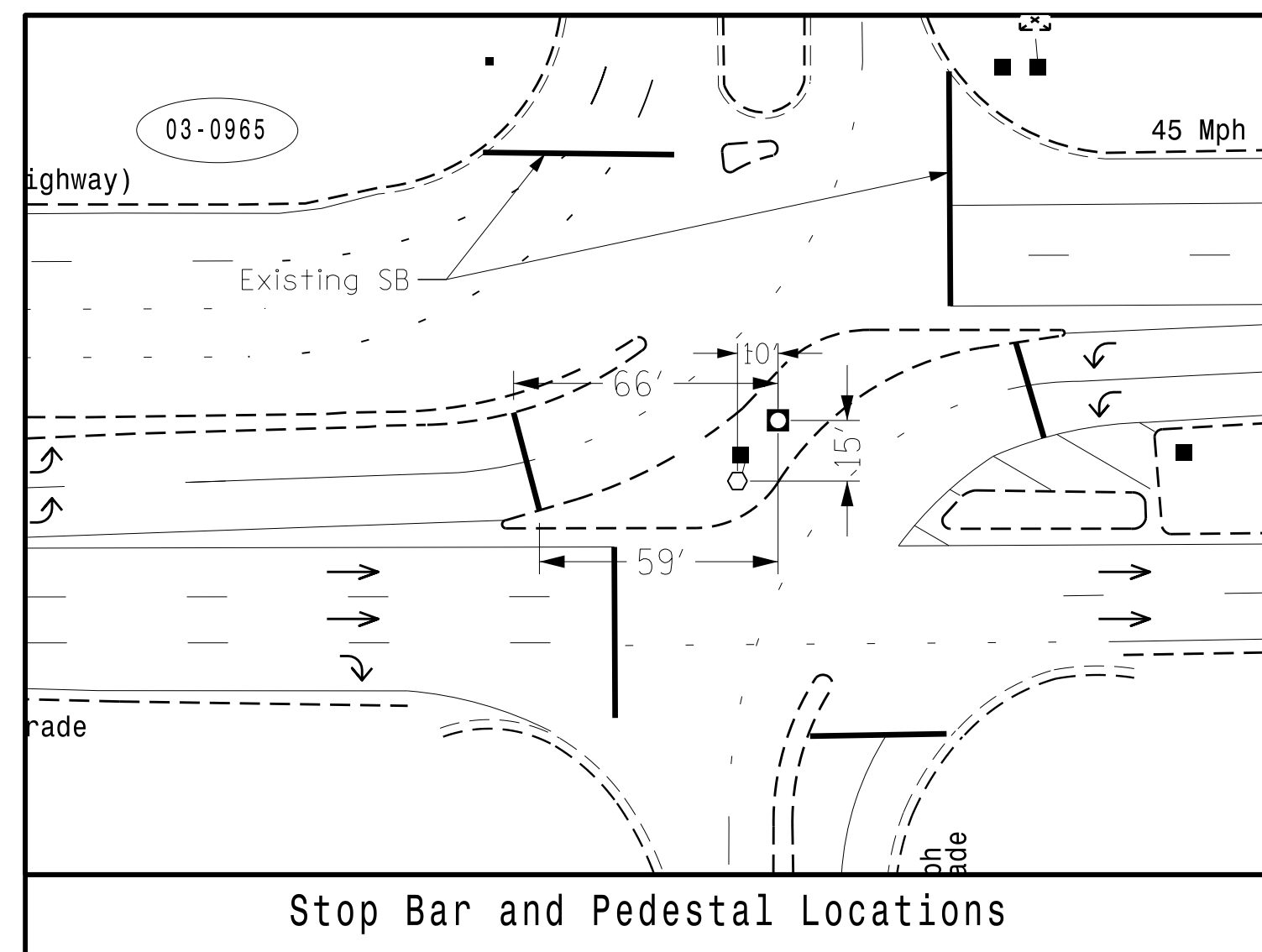
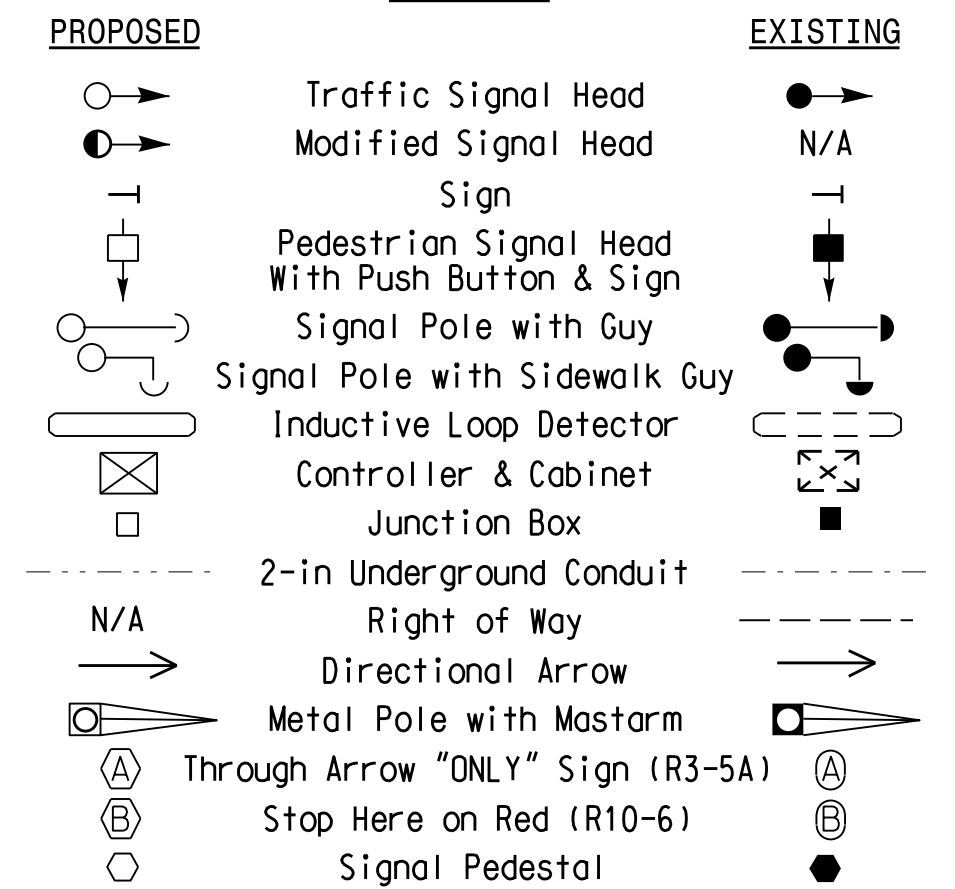
2 Phase Fully Actuated W/Queue Preemption US 17 (Ocean Highway) - Leland Superstreet D03-12 Leland

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 34 and 35 as 81 and 82, respectively.
- Renumber existing loops 3C and 3D as 8A and 8B, respectively.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Program controller to initiate backup preemption upon activation of queue backup loops.
- Closed loop system data: Controller Asset #: 0965.



LEGEND



Signal Upgrade

Prepared in the Offices of:
 Transportation Mobility and Safety Solutions
 DIVISION OF TRANSPORTATION
 SIGNAL DESIGN SECTION
 750 N. Greenfield Pkwy, Garner, NC 27529

US 17 (Ocean Highway) at Old Waterford Way

Division 3 Brunswick County Leland

PLAN DATE: October 2021 REVIEWED BY: MEL

PREPARED BY: KGP, JR. REVIEWED BY:

REVISIONS: INIT. DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042608 MEGHAN E. LEBLANC

1" = 40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 03-0965