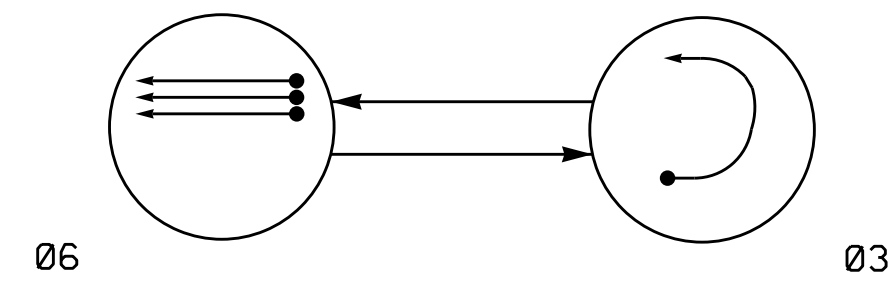


2 Phase Fully Actuated
US 17 (Ocean Highway) - Leland Superstreet
D03-12 Leland

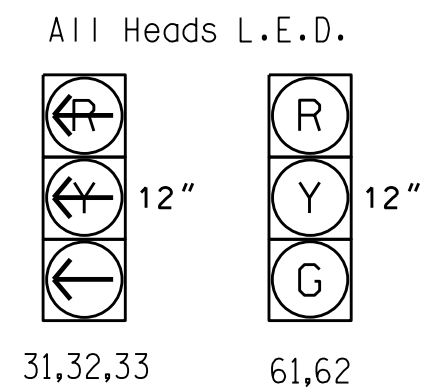
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● ← DETECTED MOVEMENT
 ○ ← UNDETECTED MOVEMENT (OVERLAP)
 - - ← UNSIGNALIZED MOVEMENT
 - - - - ← PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	06	03	FLASH
31,32,33	R	L	R
61,62	G	R	Y

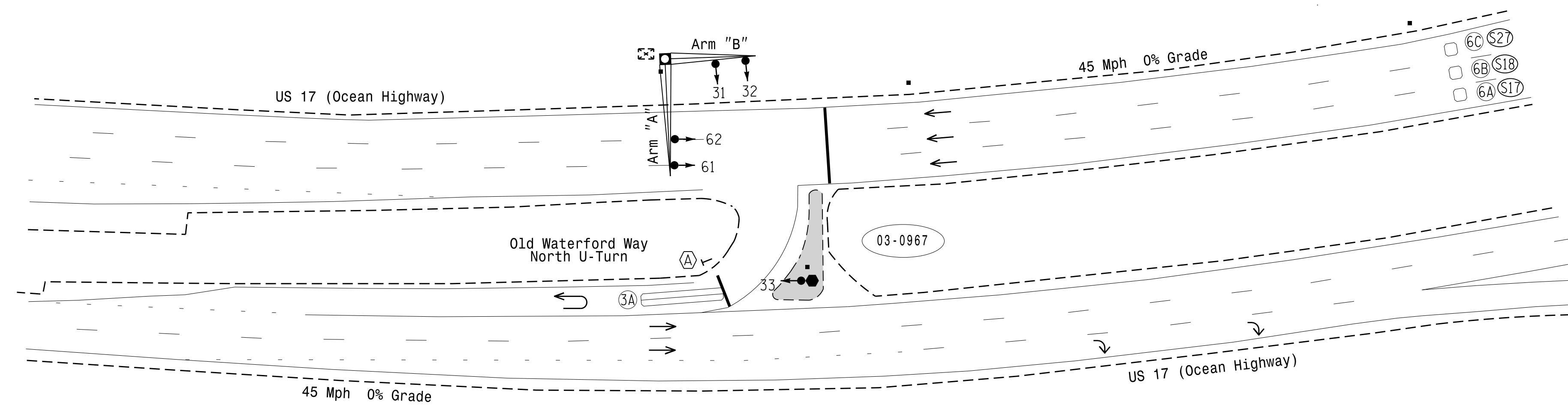
SIGNAL FACE I.D.



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	STRETCH TIME	DELAY TIME	NEW LOOP		
3A	6X40	0	2-4-2	Y	3	Y	Y	-	-	-	-	-	-
6A/S17	6X6	300	4	Y	6	Y	Y	-	-	-	-	Y	-
6B/S18	6X6	300	4	Y	6	Y	Y	-	-	-	-	Y	-
6C/S27	6X6	300	4	Y	6	Y	Y	-	-	-	-	Y	-

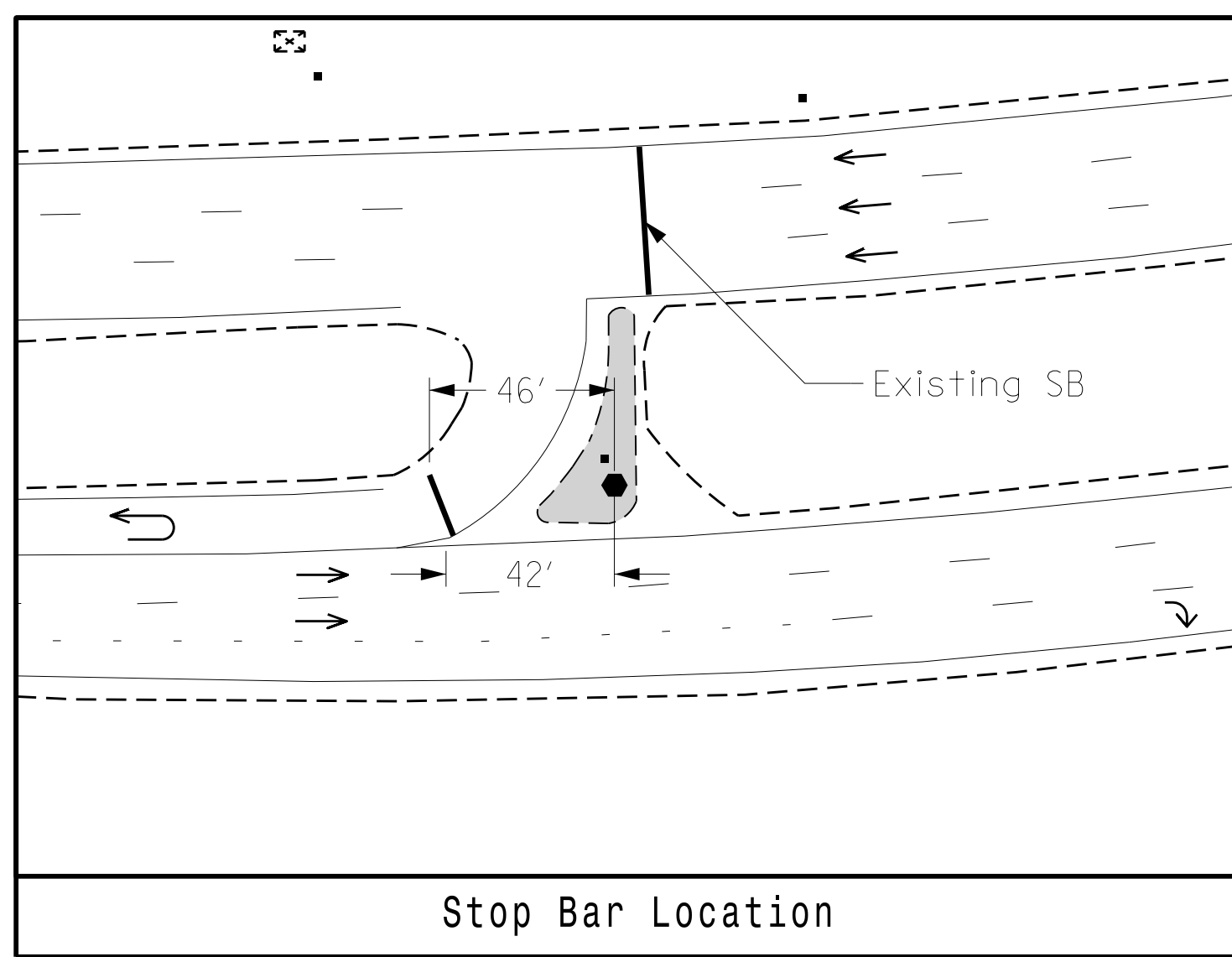
NOTES

- 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.
- 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.
- Pavement markings are existing.
- 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 # 0967.



FEATURE	PHASE	
	3	6
Min Green 1 *	7	12
Extension 1 *	2.0	6.0
Max Green 1 *	30	90
Yellow Clearance	3.0	4.5
Red Clearance	3.8	1.0
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	-	-
Simultaneous Gap	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.



PROPOSED	EXISTING

Signal Upgrade

Prepared in the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

US 17 (Ocean Highway) at Old Waterford Way North U-Turn
 Division 3 Brunswick County Leland

PLAN DATE: October 2021 REVIEWED BY: MEL
 PREPARED BY: KGP, Jr. REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 1" = 40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 Meghan E. LeBlanc, ENGINEER
 DATE: 10/25/2021
 SIG. INVENTORY NO. 03-0967

22-OCT-2021 11:50
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