## 2021CPT.03.31.10101 Sig.13.0

2 Phase Fully Acutated D03-12 Leland US 17 (Ocean Hwy)-Leland Superstreet

### 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. Pavement markings are existing.
- 5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 6. Closed loop system data: Controller Asset # 0980.

OASIS 2070 LOOP & DETECTOR INSTALLATION CHA							AR <sup>-</sup>	Τ				
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
3A	6X40	0	2-4-2	Υ	3	Υ	Υ	ı	ı	ı	-	ı
6A/S29	6X6	420	5	Υ	6	Υ	Υ	-	-	-	Υ	-
6B/S30	6X6	420	5	Υ	6	Υ	Υ	ı	-	-	Υ	_
S28	6X6	200	3	Υ	_	-	-	1	-	-	Υ	

#### PHASING DIAGRAM DETECTION LEGEND

PHASING DIAGRAM

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ≪---> PEDESTRIAN MOVEMENT

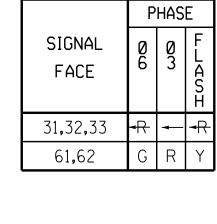
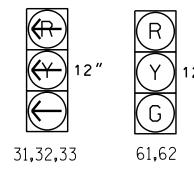
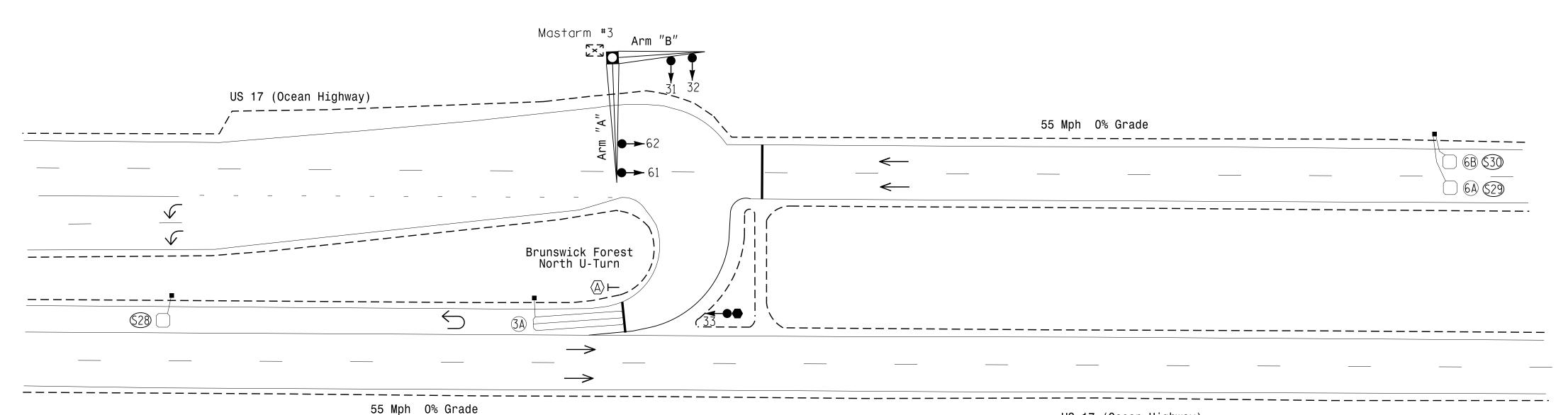


TABLE OF OPERATION

# SIGNAL FACE I.D. All Heads L.E.D.

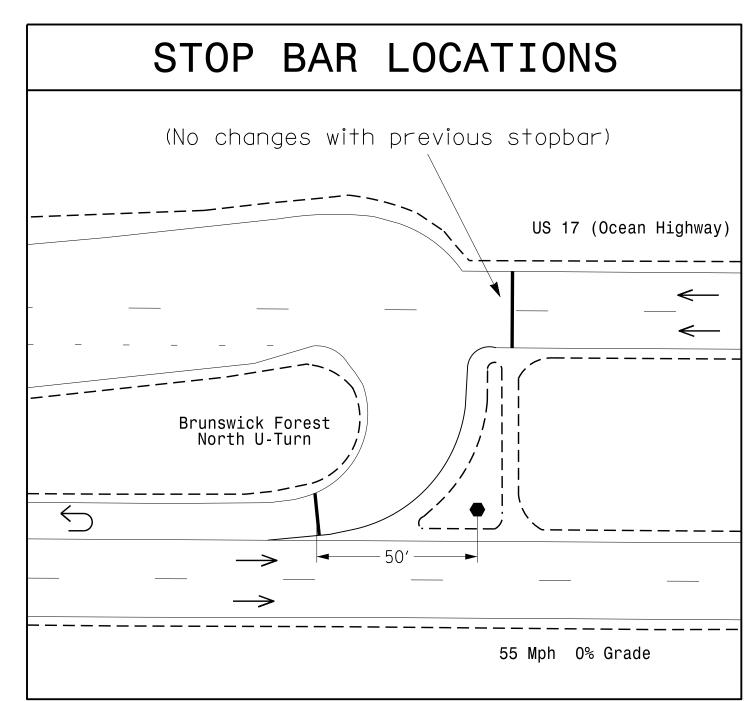




## US 17 (Ocean Highway)

OASIS 2070	TIMING	CHART			
	PHASE				
FEATURE	3	6			
Min Green 1 *	7	14			
Extension 1 *	2.0	6.0			
Max Green 1 *	30	90			
Yellow Clearance	3.0	5.2			
Red Clearance	3.8	1.0			
Walk 1 *	-	-			
Don't Walk 1	-	-			
Seconds Per Actuation *	-	1.5			
Max Variable Initial*	-	46			
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			

Min Green for all other phases should not be lower than 4 seconds.



<u>PROPOSED</u>		<u>EXISTING</u>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b>	Modified Signal Head	N/A
$\dashv$	Sign	$\dashv$
<b>↓</b>	Pedestrian Signal Head With Push Button & Sign	•
$\bigcirc \hspace{-1em} \longrightarrow \hspace{-1em} )$	Signal Pole with Guy	•
	Signal Pole with Sidewalk Gu	y •
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	~
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
0	Metal Pole with Mastarm	
$\bigcirc$	Signal Pedestal	
$\langle A \rangle$	Stop Here on Red (R10-6)	$\triangle$

SIG. INVENTORY NO.

LEGEND

Signal Upgrade				DOCUMENT NOT CONS FINAL UNLESS AL SIGNATURES COMPL
Prepared in the Offices of:	US 17 (Oce	an Highway)		SEAL
Month one of the property of t	at Brunswick Forest North U-Turn Division 3 Brunswick County Leland			SEAL 042608
Serior Design Section	PLAN DATE: October 2021	REVIEWED BY: MEL		ENCLUSER.
50 N.Greenfield Pkwy.Garner.NC 27529	PREPARED BY: X. Han	REVIEWED BY:		AN TO SE
SCALE	REVISIONS	INIT.	DATE	DocuSigned by!
0 30				Meghan EleBlanc 10