2 Phase

Fully Actuated Wilmington Signal System

NOTES

Drawings NCDOT" dated January

Specifications for Roads and

unless otherwise directed by

Engineer will determine the

5. Maximum times shown in timing

chart are for free-run

supersede these values.

Controller Asset #: 1013.

LEGEND

Traffic Signal Head

Modified Signal Head

Sign Pedestrian Signal Head With Push Button & Sign

Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector

Controller & Cabinet

Junction Box 2-in Underground Conduit

Right of Way Directional Arrow Metal Pole with Mastarm Type II Signal Pedestal

"STOP HERE ON RED" Sign (R10-6)

"NO TURNS" Sign (R3-3)

<u>EXISTING</u>

N/A

_----

hours of use for each phasing

operation only. Coordinated

signal system timing values

2. Do not program signal for late

night flashing operation

3. Set all detector units to

Structures" dated January 2012.

1. Refer to "Roadway Standard

2012 and "Standard

the Engineer.

presence mode.

6. Signal system data:

4. The City Traffic

plan.

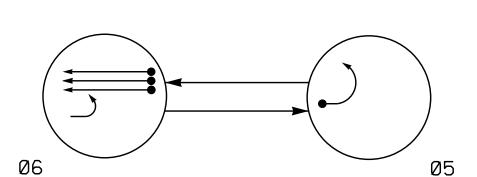
<u>PROPOSED</u>

 \bigcirc

O->

 \boxtimes

N/A



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ← − − → PEDESTRIAN MOVEMENT

DEFAULT TABLE OF OPERATION PHASE SIGNAL FACE 51, 52

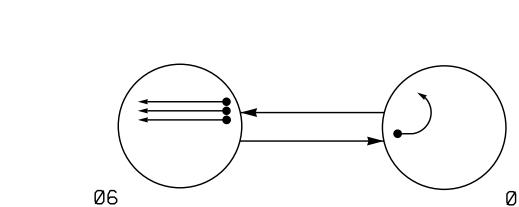
61,62

51,52

SIGNAL FACE I.D.

All Heads L.E.D.

61,62



PHASING DIAGRAM DETECTION LEGEND

ALTERNATE PHASING DIAGRAM

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ← - - → PEDESTRIAN MOVEMENT

ALTERNATE						
TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	Ø 5	0 6	トーセのエ			
51, 52	—	₩	- ¥			
61,62	R	G	Y			

OASIS 2070 LOOP & DETECTOR INSTALLATION												
	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
5 A	6X40	0	2-4-2	Υ	5	Υ	Υ	ı	1	* 15	ı	-
6A	6X6	300	5	Υ	6	Υ	Υ	ı	1	ı	ı	-
6B	6X6	300	5	Υ	6	Υ	Υ	ı	1	1	ı	-
6C	6X6	300	5	Υ	6	Υ	Υ	_	_		_	_
S1	6X6	180	3	Υ	_	_	_	_	_	_	Υ	_

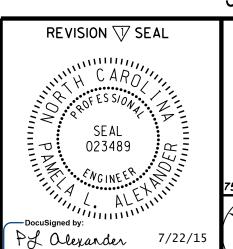
* Disable delay during Alternate Phasing Operation.

Metal Pole #1 <u> 36249.2694</u> 45 MPH 0% Grade US 421 (Carolina Beach Road) 50 \longrightarrow ____===== /,----45 MPH 0% Grade US 421 (Carolina Beach Road)

OASIS 2070	TIMING	CHART			
	PHASE				
FEATURE	5	6			
Min Green 1 *	7	12			
Extension 1 *	2.0	6.0			
Max Green 1 *	45	120			
Yellow Clearance	3.0	4.5			
Red Clearance	3.1	1.5			
Walk 1 *	-	-			
Don't Walk 1	-	-			
Seconds Per Actuation *	-	1.5			
Max Variable Initial *	-	34			
Time Before Reduction *	-	30			
Time To Reduce *	-	60			
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.

Signal Upgrade





1"=30'

US 421 (Carolina Beach Road) Myrtle Grove North U-Turn

myrtie drove	NOI CII (0 - 1 u i	11	
Division 3 New Hanove	r County	Myrtl	e Grove	
PLAN DATE: February 2008	REVIEWED BY:			
PREPARED BY: R. Hinshaw	REVIEWED BY:			-
REVISIONS	(INIT.	DATE	
V Installloops (KGP)		pla	7/22/15	

Only as to the Revisions This document originally issued and sealed by F.Royal Hinshaw, PE-032117 on 05/06/2008 This document is only certified as to the revisions.

Not a certified document as to the Original Document but

SIG. INVENTORY NO. 03-1