2 Phase Fully Actuated (Wilmington Signal System)

OASIS 2070L 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	6′×40′	0′	2-4-2	Υ	2	Υ	Υ	_	-	-	-	-
4 A	6′×40′	0′	2-4-2	Υ	4	Υ	Υ	_	-	3	-	-
4B	6′×40′	0'	2-4-2	Υ	4	Υ	Υ	-	_	_	-	-
6A	6′×40′	0′	2-4-2	Y	6	Y	Υ	_	_	_	-	_

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 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. Install new signal heads with enough signal cable to allow for the repositioning of signal heads as shown in the temporary and final signal designs.
- 5. Reposition all signal heads as shown.
- 6. Reposition all signs as shown.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND	
PROPOSED	<u>EXISTING</u>
	
	N/A
⊢ Sign	\dashv
→ 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 -	
N/A Right of Way	
\longrightarrow Directional Arrow	\longrightarrow
N/A Permanent Utility Easement	— PUE —
N/A Permanent Drainage Easement	− PDE −−
⟨A⟩ Street Name Sign (Double Sided)	
⟨B⟩ Left Arrow "ONLY" Sign (R3-5L)	B
⟨C⟩ Right Arrow "ONLY" Sign (R3-5R)	(B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C
⟨E⟩ No Right Turn Sign (R3-1)	Ē
Construction Zone	
Construction Zone Drums	
Construction Barricade	
	-

emporary Desigr raffic Control		ΙΙ	VI	(IN	5 1616 EAST RALEIGH, N (919) 876-	MILLBROOK ROAD, SUITE 310 NORTH CAROLINA 27609 -6888 NCBEES #F-0326
Prepared for the Offices of:	US 42	1 (Carolina	Beach	Road)/	SEAL

Road)/ US 421 Truck-SR 1436 (Front St)

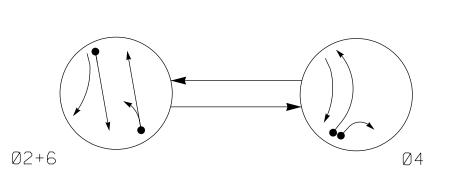
Portable Concrete Barrier

SR 1140 (Burnett Boulevard) Division 03 New Hanover County MB Toth May 2014 REVIEWED BY:

SEAL Wilmington INIT. DATE Melissa B. Toth

SIG. INVENTORY NO. 03-0019T2

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

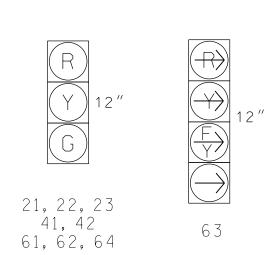
UNSIGNALIZED MOVEMENT $<\!\!\!<\!\!\!--\!\!\!>$ PEDESTRIAN MOVEMENT

TABLE OF OPERATION									
	PHASE								
SIGNAL FACE	Ø2+6	Ø 4	FLAST						
21, 22, 23	G	R	Υ						
41, 42	R	G	R						
61, 62, 64	G	R	Υ						
63	F	-							

 $\frac{F}{Y}$ = Flashing Yellow Arrow

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070L TIMING CHART						
	PHASE					
FEATURE	2	4	6			
Min Green 1 *	10	7	10			
Extension 1 *	2.0	3.0	2.0			
Max Green 1 *	60	30	60			
Yellow Clearance	3.9	3.0	3.9			
Red Clearance	2.9	3.3	3.1			
Red Revert	2.0	2.0	2.0			
Walk 1 *	-	_	-			
Don't Walk 1	-	_	_			
Seconds Per Actuation *	-	_	-			
Max Variable Initial *	_	_	-			
Time Before Reduction *	_	_	_			
Time To Reduce *	-	_	_			
Minimum Gap	-	_	-			
Recall Mode	MIN RECALL	_	MIN RECALL			
Vehicle Call Memory	YELLOW	_	YELLOW			
Dual Entry	_	_	-			
C' - II C	ONI	ONI	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

Simultaneous Gap ON ON ON

rnett Boulevard)

35 mph Speed -0.5% grade

AND INSTALL NEW JUNCTION BOX AT ELEVATION FOR FINAL GRADE. COMPLETE SIGNAL REVISIONS TO THIS SPAN IN A MANNER THAT DOES NOT DISTURB EXISTING FIBER OPTIC ROUTING

R/W

421 Truck - SR (Front Street)

direct bury

O N.Greenfield Pkwy,Garner,NC 27529 PREPARED BY: $\mathsf{L}\,\mathsf{M}\,\mathsf{M}$ REVIEWED BY: REVISIONS

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