## PHASING DIAGRAM

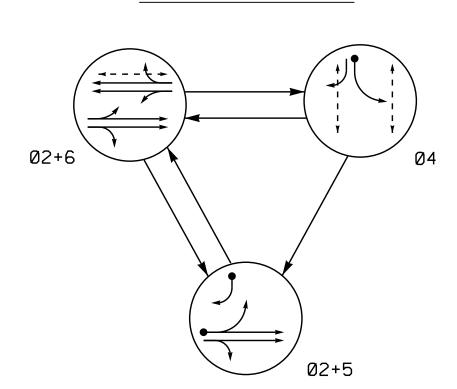


TABLE OF	0PE	ERA <sup>-</sup>	TIO	N	
	PHASE				
SIGNAL FACE	®N+15	ØN+6	Ø 4	止しなのエ	
21	91	G	R	Υ	
22	G	G	R	Υ	
41	R	R	G	R	
42	$\mathbb{R}^{1}$	R	G	R	
61, 62	R	G	R	Υ	
P41, P42	DW	DW	W	DRK	
P43, P44	DW	DW	W	DRK	
P61, P62	DW	W	DW	DRK	

SIGNAL FACE I.D.								
All Heads L.E.D.								
R Y 12"	R Y 12"	R Y G 12"	16"					
21	22 41 61, 62	42	P41, P42 P43, P44 P61, P62					

OASIS 2070 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
4A	6X40	+5	2-4-2	ı	4	Υ	Υ	ı	ı	3	ı	Υ
5A	6X40	+5	2-4-2	-	5	Y	Y	ı	. 1	15	-	Υ
5B	6X40	+5	2-4-2	_	5	Υ	Υ	1	_	15	_	Υ

	PHASING	G DIAGRAM DETECTION LEGEND
<b>—</b>	•	DETECTED MOVEMENT
4	<del></del>	UNDETECTED MOVEMENT (OVERLAP)
•		UNSIGNALIZED MOVEMENT
<b>—</b>	<b>&gt;</b>	PEDESTRIAN MOVEMENT

		i	
LAP)	% Grade	Avenue	
LAF)	HAW TILL SB (4A)	Coxe	
	35	Short	Trotall new role rewrited
	<b>!</b>		Install new pole-mounted cabinet in existing location.
	P61		
SR 3214 (Biltmore Ave.)	P42	P62 P43	35 MPH +2% Grade
	_ <b>←</b> 62		
	61		
		21	
5A	P41 42 41	22	
		P44 P44	SR 3214 (Biltmore Ave.)
35 MPH			

OASIS	2070	TIMING	CHAR1	Γ		
	PHASE					
FEATURE	2	4	5	6		
Min Green 1 *	10	7	7	10		
Extension 1 *	0.0	2.0	2.0	0.0		
Max Green 1 *	30	20	15	30		
Yellow Clearance	4.0	3.0	3.0	4.0		
Red Clearance	1.2	1.8	1.9	1.2		
Red Revert	5.0	2.0	2.0	2.0		
Walk 1 *	-	7	-	7		
Don't Walk 1	-	13	-	11		
Seconds Per Actuation *	-	-	-	-		
Max Variable Initial *	-	-	-	-		
Time Before Reduction *	-	-	-	-		
Time To Reduce *	-	-	-	-		
Minimum Gap	-	-	_	-		
Recall Mode	MAX RECALL	-	_	MAX RECALL		
Vehicle Call Memory	-	-	-	-		
Dual Entry	-	-	-	-		
		<del> </del>		l		

<sup>\*</sup> 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.



SR 3214 (Biltmore Ave.) Short Coxe Avenue

Division 13 Buncombe County May 2016 REVIEWED BY: P.L. Alexander 750 N.Greenfleld Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY:

REVISIONS INIT. DATE

SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

**NOTES** 

3 Phase

Semi-Actuated

Asheville Signal System

1. 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. Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.

4. Set all detector units to presence mode.

5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.

7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.

8. Pavement markings are existing.

9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

## **LEGEND**

<u>PROPOSED</u>		<b>EXISTING</b>
$\bigcirc$	Traffic Signal Head	<b></b>
0-	Modified Signal Head	N/A
$\dashv$	Sign	—
$\downarrow$	Pedestrian Signal Head With Push Button & Sign	•
<u> </u>	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = = = = = = = = = = = = = = = = = =$
	Controller & Cabinet	K×7 L S
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
$\bigcirc$	Type II Signal Pedestal	
N/A	Curb Ramp	