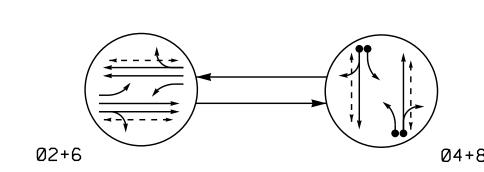
## PHASING DIAGRAM



#### PHASING DIAGRAM DETECTION LEGEND

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

# TABLE OF OPERATION SIGNAL FACE 21, 22 41, 42 61,62 81, 82 P21, P22 P41, P42 P61, P62 P81, P82 DW W DRK

US 70/74A (College St.)

35 MPH 0% Grade

S1)

					OASIS	2070	L00P	& DET	EC	TOR	INS	TAL	LATIC	ON CH	ART
SIGNAL FACE I.D.					II	NDUCTI	VE LOC	PS		DETE	CTC	R P	ROGRAN	MMING	
All Heads L.E.D.					LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXIENSION FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP NEW CARD
Y 12"					4A	6X40	+5	2-4-2	-	4	Υ	Y -	-	3	- Y
					4B	6X40	+5	2-4-2	-	4	Y ·	Y -	-	10	- Y
(G) 16"					8.8	6X40	0	2-4-2	-	8	Y ·	Y -	-	3	- Y
					8B	6X40	0	2-4-2	-	8	Y ·	Y -	-	10	- Y
21, 22 P21, P22	1 1	,			S1	6X6	+100	3	- 1	-	-	-   -	-	-	ΥΥ
41, 42 P41, P42			//	1 <b>1</b> 1	S2	6X6	+100	3	-	-	-	-   -	-	-	ΥΥ
61, 62 P61, P62 81, 82 P81, P82				lve)											

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	-	4	Υ	Υ	-	-	3	ı	Υ
4B	6X40	+5	2-4-2	-	4	Υ	Υ	-	-	10	1	Υ
8.8	6X40	0	2-4-2	-	8	Υ	Υ	-	-	3	1	Υ
8B	6X40	0	2-4-2	ı	8	Υ	Υ	-	-	10	1	Υ
S1	6X6	+100	3	-	-	-	-	-	-	-	Υ	Υ
S2	6X6	+100	3	-	-	-	-	-	-	-	Υ	Υ

35 MPH -5% Grade

US 70/74A (College St.)

# Asheville Signal System

2 Phase

Semi-Actuated

## NOTES

- 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. Set all detector units to presence mode.
- 4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Pavement markings are existing.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

OASIS	S 2070	TIMINO	G CHART	Γ	
		PH			
FEATURE	2	4	6	8	Install ne
in Green 1 *	10	7	10	7	oinet in ex
ension 1 *	0.0	2.0	0.0	2.0	71110 111 07
ax Green 1 *	45	25	45	25	
llow Clearance	4.2	4.4	4.2	4.4	
ed Clearance	2.0	1.9	2.0	1.9	
ed Revert	2.0	2.0	2.0	2.0	
alk 1 *	7	7	7	7	
n't Walk 1	14	20	19	22	
econds Per Actuation *	-	-	-	-	
ax Variable Initial *	-	-	-	-	
me Before Reduction *	-	-	-	-	
me To Reduce *	-	-	-	-	
nimum Gap	-	-	-	-	
call Mode	MAX/PED RECALL	-	MAX/PED RECALL	-	
ehicle Call Memory	-	-	-	_	

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

	LEGEND	
<u>PROPOSED</u>		<u>EXISTING</u>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b>	Modified Signal Head	N/A
$\dashv$	Sign	<del>_</del>
$\downarrow$	Pedestrian Signal Head With Push Button & Sign	•
$\bigcirc \hspace{-1em} \longrightarrow \hspace{-1em} )$	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	, •
	Inductive Loop Detector	$\subseteq = = \supset$
	Controller & Cabinet	K X Z
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
$\bigcirc$	Type II Signal Pedestal	•
N/A	Curb Ramp	

Signal Upgrade

US 70-74A (College St.) NC 694 (Martin Luther

King Jr. Dr.) Division 13 Buncombe County April 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

Simultaneous Gap