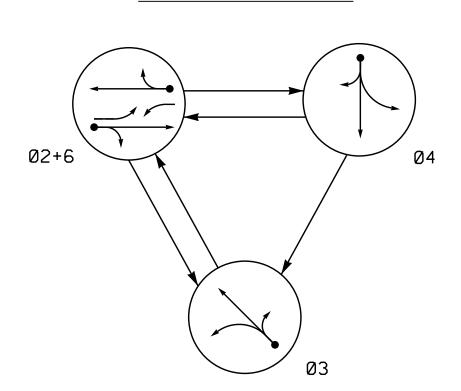
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

■ DETECTED MOVEMENT

TABLE OF	OPE	ERA ⁻	TIO	N		
		PHASE				
SIGNAL FACE	◎ ~+6	0 0	04	止しなのエ		
21, 22	G	R	R	Υ		
31	R	إ ك	R	R		
32	R	Ŋ	R	R		
41	R	R	↓	R		
42	R	R	G	R		
61, 62	G	R	R	Υ		
·						

SIGNAL F	ACE I.D
All Head	ls L.E.D.
R Y G 31 41	P Y 12" 21, 22 32 42 61, 62

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS DETECTO							OR	PF	ROGRAN	MMING		
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	6X40	0	2-4-2	_	2	Υ	Υ	ı	ı	ı	ı	Υ
3A	6X6	15	4	-	3	Υ	Υ	ı	ı	İ	ı	Υ
4A	6X60	0	2-4-2	-	4	Υ	Υ		. 1	·	ı	Υ
6A	6X40	0	2-4-2	-	6	Υ	Υ	_	_	-	-	Υ
S1	6X6	+230	5	-	-	-	-	-	-	-	Υ	Υ

3 Phase Fully Actuated Asheville Signal System

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. The order of phase 3 and phase 4 may be reversed.
- 4. Set all detector units to presence mode.
- 5. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

UNSIGNALIZED MYCHAM (MOVING) Install new pole mounted salinut in existing location PEDESTRIAN MOVING THE SALINUT OF THE SALI	DETECTED MOVEMENT (OVERLAR)			
Cabanet in existing location. PEDESTRIAN ROYERON Cabanet in existing location. Supplied to the state of th		Install new pole-mounted	II.	
Doronous transcription of the state of the s				
OASIS 2070 TIMING CHART	<−−→ PEDESTRIAN MOVEMENT			
OASIS 2070 TIMING CHART	\sim $M_{\rm el}$	\sim	$ \widehat{A}_{\lambda} = \widehat{A}_{\lambda} $	
OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART				
US 19-23 BUS (Hapvood Road) US 19-23 BUS (Hapvood Road) OASIS 2070 TIMING CHART	* 1,			
OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART	3.			
OASIS 2070 TIMING CHART	S Mp.	*Signal		
US 19-23 BUS. (Haywood Road) US 19-23 BUS. (Haywood Road) US 19-23 BUS. (Haywood Road) OASIS 2070 TIMING CHART	**************************************			
US 19-23 BUS. (Haywood Road) US 19-23 BUS. (Haywood Road) US 19-23 BUS. (Haywood Road) OASIS 2070 TIMING CHART			<u>;</u>	
OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART			Sidewalk 20 MPH	
US 19-23 BUS HADWOOD ROAD) US 19-23 BUS HADWOOD ROAD) US 19-23 BUS (Haywood Road) US 19-23 BUS (Haywood Road) OASIS 2070 TIMING CHART		Sidewalk		1% Gna .
US 19-23 BUS (Haywood Road) US 19-23 BUS (Haywood Road) US 19-23 BUS (Haywood Road) OASIS 2070 TIMING CHART			62^{31} 32 $-\frac{1}{2} = \frac{31}{2} = \frac{31}{2$	ar ade
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OASIS 2070 TIMING CHART	waywood Roa		21.	(6A) (1)
OASIS 2070 TIMING CHART	Bus. (Hay. Side M.	2/K = - (S1)		
OASIS 2070 TIMING CHART	15 19-23 Bu = 31 = 1	420	²² ← 22← 41	
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OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART				
OASIS 2070 TIMING CHART			US 19-23 5	walk
OASIS 2070 TIMING CHART			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Haywood
OASIS 2070 TIMING CHART		Sidews		Thou Road)
OASIS 2070 TIMING CHART		-1% Gradu		
OASIS 2070 TIMING CHART		20 MPH		
OASIS 2070 TIMING CHART			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
OASIS 2070 TIMING CHART				
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OAOTO ZOTO TIMITING ONATT	OASIS 2070 TIMING CHART		~ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
I	PHASE			

OASIS 2070 TIMING CHART						
	PHASE					
FEATURE	2	3	4	6		
Min Green 1 *	15	7	10	15		
Extension 1 *	4.0	3.5	3.5	4.0		
Max Green 1 *	50	30	30	50		
Yellow Clearance	3.0	3.0	3.0	3.0		
Red Clearance	4.3	4.2	4.0	4.3		
Red Revert	2.0	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	-	YELLOW		
Dual Entry	-	-	-	-		

* 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.

	LEGEND	
<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O >	Modified Signal Head	N/A
\dashv	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	K K K
	Junction Box	
	2-in Underground Conduit -	
N/A	Right of Way -	
\longrightarrow	Directional Arrow	\longrightarrow
N/A	Fence	——×—
<u>(A)</u> "	NO TURN ON RED" Sign (R10-11)	\triangle
B	"STOP" Sign (R1−1)	lack
⟨C⟩ R	light Arrow "ONLY" Sign (R3-5R)	\bigcirc

DOCUMENT NOT CONSIDERED Signal Upgrade SIGNATURES COMPLETED US 19-23 BUS (Haywood Road) Majestic Avenue/State Street & Dorchester Avenue Division 13 Buncombe County June 2016 REVIEWED BY: T. J. Williams 750 N.Greenfleid Pkwy.Garner.NC 27529 PREPARED BY: C. Pierce REVIEWED BY: REVISIONS INIT. DATE

SIG. INVENTORY NO.

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