## PHASING DIAGRAM

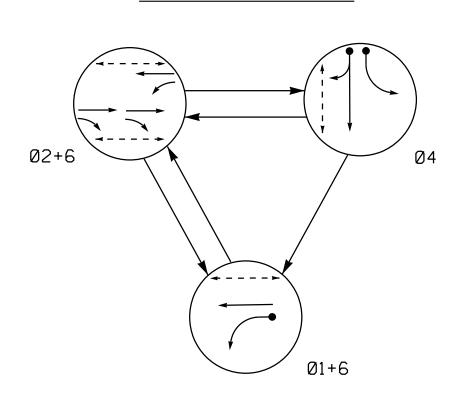


TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	Ø 1 + 6	Ø2+6	Ø 4	エのひしょ		
21,22	R	G	R	Υ		
23,24	R	G	R	Υ		
41,42	R	R	G	R		
61	<u> </u>	G	R	Υ		
62	G	G	R	Υ		
P21 <b>,</b> P22	DW	W	DW	DRK		
P41 <b>,</b> P42	DW	DW	W	DRK		
P61 <b>,</b> P62	W	W	DW	DRK		

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BLE OF	OPE	ERA	TIO	N	<u>516</u>	<u>INAL</u>	FACE I.C	<u>) .</u>
		PHA	ASE		,	4 I I A	leads L.E.D.	
IGNAL FACE	Ø 1 + 6	Ø2+6	Ø 4	LUGUI	R		R	
21 <b>,</b> 22	R	G	R	Υ			Y 12"	
23 <b>,</b> 24	R	G	R	Υ		2 "		1
41,42	R	R	G	R			(G)	
61	70	G	R	Υ				
62	G	G	R	Υ	61	22	23,24,25	P21 <b>,</b> P22
21 <b>,</b> P22	DW	W	DW	DRK	61		41,42	P41,P42 P61,P62
41 <b>,</b> P42	DW	DW	W	DRK			62	. 51,. 62
61 <b>,</b> P62	W	W	DW	DRK				

OASIS	2070E	L00P	& DE	ΓΕ	CTOR	Ιſ	NS <sup>-</sup>	ΓΑΙ	LATI	ON CH	HAF	RT
II	INDUCTIVE LOOPS D							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
1 A	EXIST	+5	2-4-2	ı	1	Y	Υ	-	1	5	-	Υ
4A	EXIST	0	2-4-2	-	4	Υ	Υ	-	-	1	-	Υ
4B	EXIST	0	2-4-2	-	4	Υ	Υ	-	-	10	_	Υ
S1	6X6	+70	2-4-2	Υ	2	Υ	Υ	-	-	_	Υ	Υ
S2	6X6	+75	2-4-2	Υ	6	Υ	Υ	-	_	_	Υ	Υ

#### PHASING DIAGRAM DETECTION LEGEND

✓ DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

<b>€</b> >	PEDESTRIAN	MOVEMENT
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	35 MPH   Alternative St N  Cherry St N
Montford Ave	P61 P62 sidewalk
sidewalk  hill St  Hill St	23 — 61

OASIS	2070E	TIMINO	G CHAR	T			
	PHASE						
FEATURE	1	2	4	6			
Min Green 1 *	7	30	7	30			
Extension 1 *	1.5	0.0	1.5	0.0			
Max Green 1 *	10	30	20	30			
Yellow Clearance	3.0	4.1	3 <b>.</b> 5	4.1			
Red Clearance	2.1	1.1	1.3	1.1			
Red Revert	2.0	2.0	2.0	2.0			
Walk 1 *	-	24	5	24			
Don't Walk 1	-	6	11	6			
Seconds Per Actuation *	-	-	-	-			
Max Variable Initial*	1	-	-	-			
Time Before Reduction *	-	-	-	-			
Time To Reduce *	-	-	-	-			
Minimum Gap	-	-	-	-			
Recall Mode	-	MAX/PED	PED SOFT	MAX/PED			
Vehicle Call Memory	-	YELLOW	-	YELLOW			
Dual Entry	-	-		_			
Simultaneous Gap	ON	ON	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



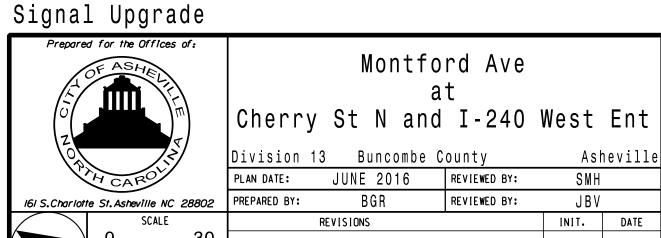
# 3 Phase Semi-Actuated (Asheville Signal System)

## **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. Set all detector units to presence mode.
- 4. 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.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 8. Phase 1 may be lagged.
- 9. Program pedestrian heads to countdown the flashing "Don't Walk" times only.
- 10. Locate new cabinet on existing foundation.

## LEGEND

<u>PROPOSED</u>		<b>EXISTING</b>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b>	Modified Signal Head	N/A
$\dashv$	Sign	$\dashv$
$\downarrow$	Pedestrian Signal Head With Push Button & Sign	•
<u> </u>	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
$\boxtimes$	Controller & Cabinet	K K Z
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
0	- Metal Pole with Mastarm	
$\bigcirc$	Type II Signal Pedestal	
$\langle A \rangle$	'NO RIGHT TURN' Sign (R3-1)	$\bigcirc$
$\stackrel{-}{\langle \mathbb{B} \rangle}$	'NO LEFT TURN' Sign (R3-2)	B
$\bigcirc$	'LEFT TURN ONLY' Sign (R3-2)	(C)



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	12/13/2 140FD60379E041F	2
	SIGNATURE DA	7

SMH JBV

INIT. DATE