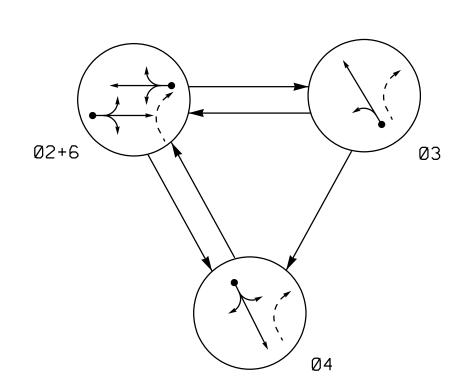
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

◆ DETECTED MOVEMENT

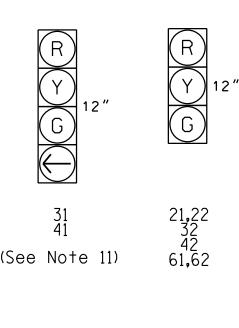
UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

<−−> PEDESTRIAN MOVEMENT

TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	ØN+6	Ø 3	Ø 4	FLANT		
21,22	G	R	R	Υ		
31	R	ပ↓	R	R		
32	R	G	R	R		
41	R	R	ပေါ့	R		
42	R	R	G	R		
61,62	G	R	R	Υ		

SIGNAL	⊏∧	۲E	т	ח	
01,02	10	1 \	11	I	ļ

All Heads L.E.D.



(See Note 11) 32 (See Note 11) 61,62	Bear Creek Rd. 35MPH 35MPH 36rade			
 Deaverview Rd.	6	62 31 32	35MPH +8% Grade 	- — — — — — — — — — — — — — — — — — — —
35MPH -1% Grade	2A (====================================	31 32 21 22	See Note 8 Install 2 - 2" risers	Deaverview Rd.

OASIS	2070E	L00P	& DE	ΓΕΟ	CTOR	Ιſ	NS ⁻	ΓΑΙ	LATI	ON CH	ΗAF	₹T
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	EXIST	0	2-4-2	-	2	Υ	Υ	-	-	-	-	Υ
3A	EXIST	+25+/-	2-4-2	-	3	Υ	Υ	-	_	3	-	Υ
4A	EXIST	0	2-4-2	-	4	Υ	Υ	-	_	5	-	Υ
6A	EXIST	+10+/-	2-4-2	-	6	Υ	Υ	-	_	_	-	Υ

3 Phase Fully-Actuated (Asheville Signal System)

PROJECT REFERENCE NO.

U-4715B

<u>NOTES</u>

- 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. Locate new cabinet next to existing cabinet location on new foundation. Provide a pedestal mounted meter and disconnect.
- 9. The order of phase 3 and phase 4 may be reversed.
- 10. Yellow and Red Clearance intervals for phases 2,3,4, and 6 may be decreased by 0.2 seconds per week until the required value is reached.
- 11. City of Asheville to verify minimum of 15'-6" clearance is available.

LEGEND

<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\downarrow	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = =$
	Controller & Cabinet	K×7
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
	- Metal Pole with Mastarm	

OASIS	2070E	TIMINO	G CHAR	Τ		
	PHASE					
FEATURE	2	3	4	6		
Min Green 1 *	10	7	7	10		
Extension 1 *	2.0	3.0	3.0	2.0		
Max Green 1 *	30	30	30	30		
Yellow Clearance	3 . 9	4.0	3 . 5	3.4		
Red Clearance	1.9	2.8	3.1	2.3		
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		
Dual Entry	-	-	-	-		

Simultaneous Gap

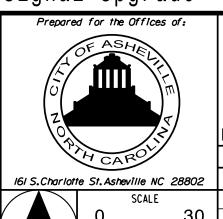
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds

ON

Signal Upgrade



FAX (828) 254-4562



N Bear Creek Rd. Division 13 Buncombe County Asheville JUNE 2016 PLAN DATE: REVIEWED BY: SMH PREPARED BY: REVIEWED BY: JBV REVISIONS INIT. DATE

Deaverview Rd.

