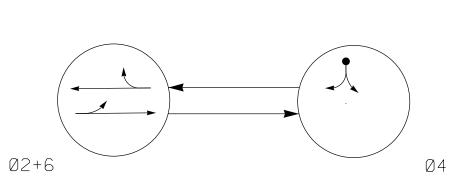
PROJECT REFERENCE NO. U-4715B Sig. 246.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

✓ DETECTED MOVEMENT

PEDESTRIAN MOVEMENT

TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	Ø2+6	Ø 4	FLANI			
21,22,23	G	R	Υ			
41,42	R	G	R			
61 62 63	G	R	Y			

TABLE OF 0	PER	ATI	ON
	Р	HAS	E
SIGNAL FACE	ØN+6	Ø 4	TUDUI
21,22,23	G	R	Υ
41,42	R	G	R
61,62,63	G	R	X

All Heads L.E.D.	
R Y 12"	
21,22,23	
41,42	

SIGNAL FACE I.D.

61,62,63

OASIS	OASIS 2070 LOOP & DETECTOR INSTALLATION CHAP						AR	T				
I	NDUCT	VE LOC)PS		DET	ECT	OR	PI	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
4 A	EXIST	EXIST	EXIST	-	4	-	-	-	_	_	-	Υ

2 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
- 6. Pavement markings are existing except where noted on plan.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

		E	0p	Raise signals minimum cle	span 2' to provide 15.5' arance over Fairview Road.	9	Pole Mounted	
		CU	rb	Sidewalk 25 mph t1.8° grade	Reinst thermor white st	plastic	Reinstall 24" thermoplastic white stop bar	25 mph -1.7% grade
						23 61 42 42 A	41 21 63 = = = = = = = = = = = = = = = = = =	EOP
20	70 TI	ATNIC CL	IADT	Shannon Drive			e signal span 2' to provide 1	Fairview Road 15.5'
20	70 111	MING CH	IAR I	£0,			Road	
-	2	4 PHASE	6	£0p				
	10	7	10					
	2.0	3.0	2.0					

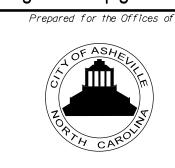
OASIS 2070 TIMING CHART								
	PHASE							
FEATURE	2	4	6					
Min Green 1 *	10	7	10					
Extension 1 *	2.0	3.0	2.0					
Max Green 1 *	40	35	40					
Yellow Clearance	3.1	3.0	3.3					
Red Clearance	1.5	1.4	1.1					
Red Revert	2.0	2.0	2.0					
Walk 1 *	-	-	-					
Don't Walk 1	-	-	-					
Seconds Per Actuation *	-	-	-					
Max Variable Initial*	-	-	-					
Time Before Reduction *	-	-	-					
Time To Reduce *	-	-	-					
Minimum Gap	-	-	-					
Recall Mode	MAX RECALL	-	MAX RECALI					
Vehicle Call Memory	YELLOW	-	YELLOW					
Dual Entry	-	-	-					

phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

ON ON

LEGEND **PROPOSED EXISTING** Traffic Signal Head **-**Modified Signal Head Sign Pedestrian Signal Head Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box ---- 2-in Underground Conduit Right of Way Directional Arrow "NO TURN ON RED" Sign (R10-11) 🔘 "STOP" Sign (R1-1)

Signal Upgrade



Fairview Road Glendale Avenue

Division 13 Buncombe County Asheville PLAN DATE: September 2016 REVIEWED BY: AM Encarnacion

PREPARED BY: RA Feige REVIEWED BY: MB Toth REVISIONS INIT. DATE

Melissa B. Toth

TKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

12/16/2016 SIG. INVENTORY NO. C O A - II