

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

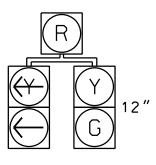
<−−> PEDESTRIAN MOVEMENT

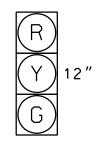
TABLE OF	OPE	ERA [*]	ΓIO	N	
	PHASE				
SIGNAL FACE	Ø1+6	®N+0	© 8	LUDUI	
21,22	R	G	R	Υ	
61	H	G	R	Υ	
62	G	G	R	Υ	
81,82	R	R	G	R	
P21 , P22	DW	W	DW	DRK	
P81 , P82	DW	DW	W	DRK	W - Wall DW - Do
P83.P84	DW	DW	W	DRK	טע וועם

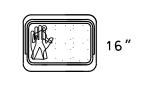
on't Walk P83,P84 | DW | DW | W | DRK - Dark

SIGNAL FACE I.D.

All Heads L.E.D.







P21,P22 P81,P82,P83,P84

See Note 9 20 MPH Patton Ave +1% Grade Prichard Park sidewalk sidewalk sidewalk P21 sidewalk Patton Ave 20 MPH 0% Grade sidewalk 20 MPH -3% Grade

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3 Phase Pre-Timed (Asheville Signal System)

PROJECT REFERENCE NO.

U-4715B

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. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 9. Locate new cabinet on existing foundation.
- 10. Program controller to allow an Advance Walk movement before serving the vehicle
- 11. Program phase 2 for Rest-In-Walk.

<u>LEGEND</u> <u>PROPOSED</u> **EXISTING** \bigcirc Traffic Signal Head **●**→ Modified Signal Head N/A Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector K×7 Controller & Cabinet Junction Box ----- 2-in Underground Conduit Right of Way N/A _____ \longrightarrow Directional Arrow Metal Pole with Mastarm 'NO TURN ON RED' Sign (R10-11) 'NO TURN ON RED' Sign (R10-11a) 'LEFT TURN YIELD ON GREEN' Sign (R10-12) 'YIELD TO PEDESTRIANS WHEN TURNING'

Sign (R10-15) Type II Signal Pedestal

OASIS	2070E	TIMIN	G CHAR	T		
	PHASE					
FEATURE	1	2	6	8		
Min Green 1 *	7	10	10	7		
Extension 1 *	0.0	0.0	0.0	0.0		
Max Green 1 *	15	30	30	20		
Yellow Clearance	3.0	3.0	3.0	3.0		
Red Clearance	1.8	2.3	2.3	1.8		
Red Revert	2.0	2.0	2.0	2.0		
Walk 1 *	-	18	-	10		
Don't Walk 1	-	12	-	10		
Walk Advance **	0.0	3.0	0.0	3.0		
Seconds Per Actuation *	-	-	-	-		
Max Variable Initial *	-	-	-	-		
Time Before Reduction *	-	-	-	-		
Time To Reduce *	-	-	-	-		
Minimum Gap	-	-	-	-		
Recall Mode	MAX RECALL	MAX/PED	MAX RECALL	MAX/PED		
Vehicle Call Memory	-	-	-	-		
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.

** See Note 10.



OASIS 2070E LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS

6X6 +110

FROM

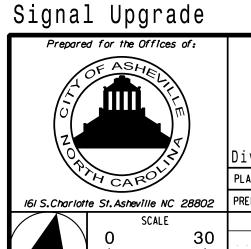
STOPBAR

+110

SIZE (FT)

6X6

DETECTOR PROGRAMMING



			Patt	0	n Ave				
	at								
	Coxe Ave								
	Division	13	13 Buncombe C		ounty	Ashe			
	PLAN DATE:		MAY 2016		REVIEWED BY:	SMH			
?	PREPARED BY:		BGR		REVIEWED BY:	JBV			
		RE	VISIONS			INIT.			



(828) 254-2201 FAX (828) 254-4562

INIT. DATE

SIG. INVENTORY NO. COA-0108