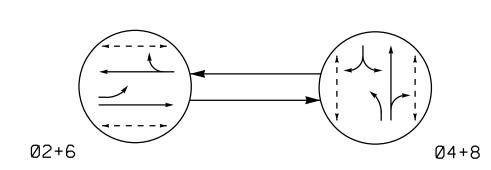
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

<u> </u>		· · · · · · · · · · · · · · · · · · ·
←	DETECTED MOVEMENT	
←	UNDETECTED MOVEMENT (OVERLAP)
←	UNSIGNALIZED MOVEMENT	-
≪ −−−>	PEDESTRIAN MOVEMENT	

TABLE OF OPERATION				
	PHASE			
SIGNAL FACE	®N+6	Ø4+8	止し位のエ	
21,22	G	R	Υ	
41,42	R	G	R	
61,62	G	R	Υ	
81,82	R	G	R	
P21 , P22	W	DW	DRK	
P41,P42	DW	W	DRK	
P61,P62	W	DW	DRK	
P81 , P82	DW	W	DRK	

W - Walk

DRK – Dark

DW - Don't Walk

All Heads	L.E.D.
(R) (Y) 8"	16
21,22 41,42 61,62 81,82	P21,P22 P41,P42 P61,P62 P81,P82

SIGNAL FACE I.D.

OASIS 2070E LOOP & DETECTOR INSTALLATION CHART												
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
S1	6×6	+125	3	-	ı	-	-	-	-	ı	Υ	Υ
S2	6×6	+110	3	_	-	_	_	_	_	_	Υ	Υ

2 Phase Pre-Timed (Asheville Signal System)

<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 on existing foundation.
- 9. Program controller to allow an Advance Walk movement before serving the vehicle phase.
- 10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 11. Program Phase 2 and 6 for Rest-in-Walk.
- 12. Yellow clearance intervals for phase 4 and 8 may be decreased by 0.2 seconds per week until the desired value is reached.

<u>LEGEND</u>

Traffic Signal Head

Modified Signal Head

Sign Pedestrian Signal Head With Push Button & Sign **EXISTING**

 $\quad \bullet \quad \rightarrow \quad$

N/A

DATE

SIGNATURE

SIG. INVENTORY NO. COA-0103

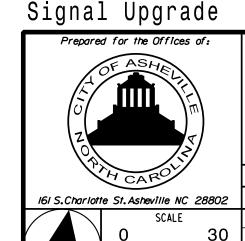
20 MPH -2% Grade sidewalk sidewalk +4% Grade College St.

Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit N/A Right of Way \longrightarrow Directional Arrow Metal Pole with Mastarm

\cup	Metal Pole Willi Mastariii	
\bigcirc	Type II Signal Pedestal	
$\langle A \rangle$	'STREET NAME' Sign	
B	'NO LEFT TURN' Sign R3-2	
$\langle C \rangle$	'NO RIGHT TURN' Sign R3-1	

ואטו וחטנא טאר - כא ווענא טאר א הארו ו 'DO NOT ENTER' Sign R5-1

Signal Upgrade



1"=30'

Со	llege Sp	St/Pa at oruce		Squar
Division 13	3 Bunco	mbe Coun	ty	

<u>PROPOSED</u>

 \bigcirc

	- 1				
Division	Ash	Asheville			
PLAN DATE:	OCTOBER 2	016	REVIEWED BY:	SMH	
PREPARED BY:	BGR		REVIEWED BY:	JBV	
	REVISIONS			INIT.	DATE

12 BROAD STREET ASHEVILLE, NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562

* 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 9.

OASIS 2070E TIMING CHART

0.0

20

3.0

2.3

2.0

3.0

MAX/PED

10

0.0

30

3.0

2.3

2.0

23

3.0

MAX/PED

FEATURE

Min Green 1 *

Max Green 1 *

Red Clearance

Red Revert

Walk 1 *

Don't Walk 1

Walk Advance **

Seconds Per Actuation

Time Before Reduction

Max Variable Initial *

Time To Reduce *

Vehicle Call Memory

Simultaneous Gap

Minimum Gap

Recall Mode

Dual Entry

Yellow Clearance

Extension 1 *

PHASE

6

10

0.0

30

3.0

2.3

2.0

18

12

3.0

MAX/PED

8

7

0.0

20

3.0

2.4

2.0

4

16

3.0

_ -

-

MAX/PED

-

ON