

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT <−−> PEDESTRIAN MOVEMENT

OASIS 2070E TIMING CHART

3.0

3.0

2.0

* 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

10

0.0

30

3**.**8

1.8

2.0

16

MAX RECALL

ON

FEATURE

Min Green 1 *

Max Green 1 * Yellow Clearance

Red Clearance

Red Revert

Don't Walk 1

Seconds Per Actuation *

Time Before Reduction

Max Variable Initial *

Time To Reduce *

Vehicle Call Memory

Simultaneous Gap

Recall Mode

Walk 1 *

Extension 1 *

PHASE

10

3**.**5

1.8

2.0

17

13

MAX RECALL

ON

8

7

2.0

20

3.0

3.4

2.0

-

-

ON

ON

TABLE OF 0	PER	AT]	ON
	PHASE		
SIGNAL FACE	Ø2+6	Ø 4 + 8	FLASH
21,22,23	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

\dashv	
K	W - Walk
Κ	DW - Don't Walk
ĸ	DRK – Dark

SIGNAL FACE I.D. All Heads L.E.D. R Y 12" 16"	Dicks Sporting Goods 15 MPH 18 Grad
21,22,23 P21,P22 41,42 P41,P42 61,62 P61,P62	P6211 P61
	81 82 21 22 22 23
Rive / 1 / 30	See Note 8 See Note 8
	Ritor Hito da

PROJECT REFERENCE NO.	SHE	ET NO.
U - 4715B	Sig	249.0

2 Phase Semi-Actuated (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 pedestrian heads to countdown the flashing "Don't Walk" time only.
- 10. Omit "Walk" and "Flashing Don't Walk" with no pedestrian calls on Phase 4.

LEGEND

<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
$\overline{}$	Sign	\dashv
\Rightarrow	Pedestrian Signal Head With Push Button & Sign	•
	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = = = = = = = = = = = = = = = = = =$
	Controller & Cabinet	~
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
(A)	RIGHT TURN ONLY' Sign (R3-5)	A
B	'RIGHT & LEFT/STRAIGHT ONLY' Ground Mounted Sign (R3-8)	lacksquare

Signal Upgrade



FAX (828) 254-4562

OASIS 2070E LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS

4A | EXIST | +5 | 2-4-2 |

SIZE (FT)

EXIST

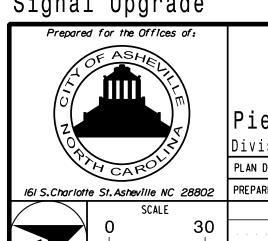
DISTANCE

+5 2-4-2

8B EXIST +5 2-4-2 - 8 Y Y -

EXIST +5 2-4-2 - 8 Y Y -

FROM STOPBAR DETECTOR PROGRAMMING



Dick's Sporting Goods and Pier 1 Imports Shopping Centers Division 13 Buncombe County Asheville JUNE 2016 PLAN DATE: SMH PREPARED BY: REVIEWED BY: JBV INIT. DATE

River Hills Rd.

DATE SIGNATURE SIG. INVENTORY NO.