

PHASING DIAGRAM DETECTION LEGEND

UNDETECTED MOVEMENT (OVERLAP)

✓ DETECTED MOVEMENT

← − − > PEDESTRIAN MOVEMENT

TABLE OF	0PE	ERA	TIO	N
		PHA	SE	
SIGNAL FACE	ØN+6	Ø 4 + 8	Ø3+8	11日のエ
21,22	G	R	R	Υ
41,42	R	G	R	R
61,62	G	R	R	Υ
81	R	G	91	R
82	R	G	G	R

SIGNAL FA	
R Y Y G 12"	R Y 12" 21, 22 42, 43 61, 62 82

OASIS	2070E	L00P	& DE	ΓΕ	CTOR	Ιľ	NS <sup>-</sup>	ΓΑΙ	LATI	ON CH	IAF	₹T
INDUCTIVE LOOPS						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
S1	6X6	+150	3	Υ		-	-	ı	ı	i	Υ	Υ
S2	6X6	+150	3	Υ		_	_	-	_	_	Y	Y

## PROJECT REFERENCE NO. Sig. 270.0 U-4715B

## 3 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.

	Hilliard Ave Right-of-Way S		62	Sidewalk Right-o	
		$\int_{\mathbb{R}^{2}}$	$ \begin{bmatrix}  & & & & & & & \\  & & & & & & \\  & & & &$		The second in th
35 MPH	$\underline{\underline{=}}\underline{=}\underline{=}\underline{=}\underline{=}\underline{=}\underline{=}\underline{=}\underline{=}\underline$		₩ 22 <b>-</b>		
	Existing local master controller and cabinet to be removed	T I I I I I I I I I I I I I I I I I I I	MPH +5% Grado Sidewalk		Right-of-Way  Hilliard Ave  Install 1 - 2" riser with condulet
	Right-of-Way.			High+	

OASIS 2070E TIMING CHART								
	PHASE							
FEATURE	2	3	4	6	8			
Min Green 1 *	45	7	20	45	20			
Extension 1 *	0.0	2.0	0.0	0.0	0.0			
Max Green 1 *	45	15	20	45	20			
Yellow Clearance	3.0	3.0	3.0	3.0	3.0			
Red Clearance	2.1	1.6	1.8	2.1	1.8			
Red Revert	2.0	2.0	2.0	2.0	2.0			
Walk 1 *	-	-	-	-	-			
Don't Walk 1	-	-	-	-	-			
Seconds Per Actuation *	-	-	1	-	-			
Max Variable Initial *	-	1	1	1	-			
Time Before Reduction *	-	-	-	-	-			
Time To Reduce *	-	-	-	-	-			
Minimum Gap	-	1	-	1	-			
Recall Mode	MAX RECALL							
Vehicle Call Memory	NA	-	-	NA	-			
Dual Entry	-	-	-	-	-			
Simultaneous Gap	ON	ON	ON	ON	ON			

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

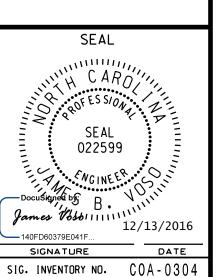
	LEGEND	
<u>PROPOSEI</u>	<u> </u>	<b>EXISTING</b>
$\bigcirc$	Traffic Signal Head	<b></b>
<b>O</b>	Modified Signal Head	N/A
$\overline{}$	Sign	<b>⊣</b>
$\downarrow$	Pedestrian Signal Head With Push Button & Sign	<b>•</b>
O)	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subseteq = = \supset$
$\boxtimes$	Controller & Cabinet	×_X
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
$\longrightarrow$	Directional Arrow	$\longrightarrow$
	ADA Compliant Wheel Chair Ramp	
$\langle \! A \! \rangle$	'LEFT TURN YIELD ON GREEN' Sign (R10-12)	$\triangle$
B	'LEFT ARROW ONLY' Sign (R3-5L)	$^{lack}$

Signal Upgrade



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Prepared	for the O	ELLILLE.		
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I6I S.Charlotte	St. AShevii	ie NC 288	02	PR
		SCALE		
	0		30	

		Hilliard	Aven
		a	t
		Asheland	Aven
		D	
		Buncombe C	ounty
	PLAN DATE:	MAY 2016	REVIEWED BY
	PREPARED BY:	BGR	REVIEWED BY
		REVISIONS	
)			



JBV INIT. DATE

Asheville

SMH