

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

<−−> PEDESTRIAN MOVEMENT

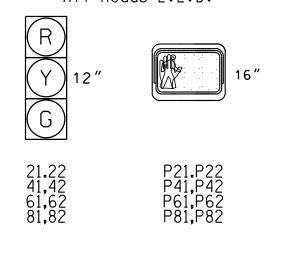
UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT

TABLE OF 0	PER	AT]	ON	
	Р	HAS	E	
SIGNAL FACE	ØN+6	Ø4 +8	FLAOI	
21,22	G	R	Υ	
41,42	R	G	R	
61,62	G	R	Υ	
81,82	R	G	R	
P41,P42	DW	W	DRK	
P61 , P62	W	DW	DRK	W - Walk
P63,P64	W	DW	DRK	DW - Don't N
P81 , P82	DW	W	DRK	DRK – Dark

W - Walk DW - Don't Walk

SIGNAL FACE I.D.

All Heads L.E.D.



21.22 41,42 61,62 81,82	P21.P22 P41,P42 P61,P62 P81,P82	20 MPH -3% Grade -3% Grade	
		P42 P62 20 MPH Hillard Ave Sidewalk P82 -5% Grade 62 81 82 -5% Grade 61 P81 Sidewalk P81 Sid	= =
		P22 Grade See Note 10 Sidewalk Sidewalk See Note 10	

	PROJECT REFERENCE
	U-4715B
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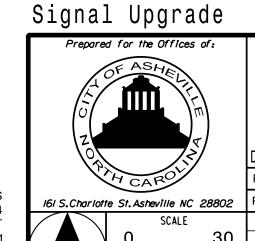
2 Phase Semi-Actuated (Asheville Signal System)

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 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. Omit "Walk" and Flashing "Don't Walk" with no pedestrian calls on phases 4 and 8.
- 9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 10. Locate new cabinet on existing foundation.
- 11. Program controller to allow an Advance Walk movement before serving the vehicle
- 12. Program phase 2 and 6 for Rest-In-Walk.

<u>LEGEND</u>

<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
$\overline{}$	Sign	$\overline{}$
↓	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
, i	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subseteq = = = = = = = = = = = = = = = = = = =$
\bowtie	Controller & Cabinet	× ¬
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
⟨A⟩ ′N	IO TURN ON RED' Sign (R10-11)	A
B	'LEFT TURN YIELD ON GREEN' Sign (R10-12)	lacksquare
⟨C⟩ ′ ſ	RIGHT TURN ONLY' Sign (R3-5)	\bigcirc
① 'LEF	FT/STRAIGHT ARROW' Sign (R3-6) 🔘



of:			Hilla	rd Ave	
		S	French	at Broad	A'
/	Division	13	Buncombe	County	

	Division	13 Buncombe	County	Asl	nevil
	PLAN DATE:	MAY 2016	REVIEWED BY:	SMH	
?	PREPARED BY:	BGR	REVIEWED BY:	JBV	
		INIT.	DATE		
)					

SIGNATURE

OASIS	2070E	TIMIN	G CHAR	Т	
	PHASE				
FEATURE	2	4	6	8	
Min Green 1 *	10	7	10	7	
Extension 1 *	0.0	3.0	0.0	3.0	
Max Green 1 *	60	30	60	30	
Yellow Clearance	3.0	3.0	3.1	3.0	
Red Clearance	1.9	2.1	1.9	2.6	
Red Revert	2.0	2.0	2.0	2.0	
Walk 1 *	53	7	51	7	
Don't Walk 1	7	9	9	10	
Walk Advance **	3.0	3.0	3.0	3.0	
Seconds Per Actuation *	-	-	-	-	
Max Variable Initial *	-	-	-	-	
Time Before Reduction *	-	-	-	-	
Time To Reduce *	-	-	-	-	
Minimum Gap	-	-	-	-	
Recall Mode	MAX/PED	-	MAX/PED	-	
Vehicle Call Memory	-	-	-	-	
Dual Entry	-	ON	-	ON	
Simultaneous Gan	ON	ΩN	ON	ON	

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

OASIS 2070E LOOP & DETECTOR INSTALLATION CHART

O EXIST - 8 Y Y -

INDUCTIVE LOOPS

SIZE (FT)

EXIST

EXIST

EXIST

4A EXIST

8B

DISTANCE

FROM STOPBAR

O EXIST

O EXIST

O EXIST

DETECTOR PROGRAMMING