

PHASING DIAGRAM DETECTION LEGEND

■ DETECTED MOVEMENT

- UNDETECTED MOVEMENT (OVERLAP)

TABLE OF OPERATION				
	PHASE			
SIGNAL FACE	©N+0	04+8	トーセのエ	
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 DW - Don't Walk DRK - Dark

SIGNAL FACE I.D.

All Heads	s L.E.D.
R Y 12"	16"
21,22 41,42 61,62	P21,P22 P41,P42 P61,P62

21,22 41,42 61,62 81,82	P21,P22 P41,P42 P61,P62 P81,P82	20 MPH -6% Grade	Ave Ave
	Patton Ave sidewalk S2 S3	P61 P62 P82 P82 P82 P82 P82 P82 P82 P82 P82 P8	20 MPH -5% Grade sidewalk ====================================
	======================================	P42 A1 22 A1 P81 = = = = = = = = = = = = = = = = = = =	Salewalk Patton Ave Note 9

PROJECT REFERENCE NO. SHEET NO. U-4715B Sig. 260.0

2 Phase Pre-Timed (Asheville Signal System)

NOTES

- 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 phase.
- 11. Existing Yellow change interval for phase 2 and 6 may be decreased by 0.2 seconds per week until the required value is reached.
- 12. Program Phase 2 and 6 for Rest-in-Walk.

LEGEND

<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\Rightarrow	Pedestrian Signal Head With Push Button & Sign	#
\bigcirc	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	Κ×η Γ×η
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
(A) (B) (C)	'NO TURN ON RED' Sign (R10-11 'NO TURN ON RED' Sign (R10-11 'LEFT TURN YIELD ON GREEN' Sign (R10-12)	$\overline{\mathcal{L}}$
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OASIS	2070E	TIMIN	G CHAR	Т
	PHASE			
FEATURE	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	0.0	0.0	0.0	0.0
Max Green 1 *	30	20	30	20
Yellow Clearance	3.0	3.1	3.1	3.0
Red Clearance	2.1	2.9	2.1	2.6
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	20	10	24	10
Don't Walk 1	10	10	6	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	MAX/PED	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

SIZE (FT)

S4

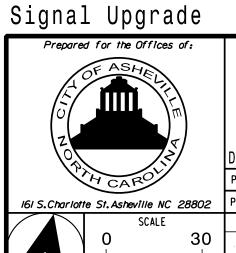
 S1
 6X6
 +100
 4

 S2
 6X6
 +100
 4

DISTANCE

FROM STOPBAR

6X6 +150 3 6X6 +150 3 DETECTOR PROGRAMMING



N French Broad Ave and
S French Broad Ave
Division 13 Buncombe County Asheville
PLAN DATE: MAY 2016 REVIEWED BY: SMH
PREPARED BY: BGR REVIEWED BY: JBV
REVISIONS INIT. DATE

Patton Ave



12 BROAD STREET
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FAX (828) 254-4562

SCALE

REVISIONS

1"=30"