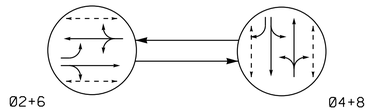
PROJECT REFERENCE NO.	SHEET NO.
U-4715B	Sig. 265.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION			
SIGNAL FACE	PHASE Ø2+6	PHASE Ø4+8	FLASH
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
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 L.E.D.

21,22
41,42
61,62
81,82

P21,P22
P41,P42
P61,P62
P81,P82

2 Phase
Pre-Timed
(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. Locate new cabinet on existing foundation. Provide a pedestal mounted meter and disconnect.
9. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
10. Program controller to allow an Advance Walk movement before serving the vehicle phase.
11. Program Phase 2 and 6 for Rest-in-Walk.

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	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	
	Directional Arrow	
	Metal Pole with Mastarm	
	Type II Signal Pedestal	
Ⓐ	'LEFT TURN YIELD ON GREEN' Sign (R3-2)	Ⓐ

OASIS 2070E TIMING CHART				
	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 *	40	30	40	30
Yellow Clearance	3.3	3.6	3.1	4.0
Red Clearance	1.7	1.5	1.8	1.5
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	27	20	28	19
Don't Walk 1	13	10	12	11
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.

Signal Upgrade

Mattern & Craig
SINCE 1975
CONSULTING ENGINEERS • SURVEYORS
FIRM LICENSE No. C-1154
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ASHEVILLE, NORTH CAROLINA 28801
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Prepared for the Offices of:
CITY OF ASHEVILLE NORTH CAROLINA
161 S.Charlotte St.Asheville NC 28802

SCALE 0 30 1"=30'

N Lexington Ave
at
Woodfin St and Hiawassee St

Division 13 Buncombe County Asheville

PLAN DATE:	JUNE 2016	REVIEWED BY:	SMH
PREPARED BY:	BGR	REVIEWED BY:	JBV

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022599 ENGINEER JAMES B. VOSO
DocuSigned by: James Voso 140FD603795E041F...
12/13/2016
SIGNATURE DATE

SIG. INVENTORY NO. COA-0201

3:05:20 PM
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bgross