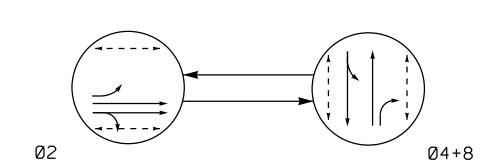
PHASING DIAGRAM



<u>PHASIN</u>	IG DIAGRAM DETECTION LEGEND
←	DETECTED MOVEMENT
←	UNDETECTED MOVEMENT (OVERLAP)
←	UNSIGNALIZED MOVEMENT
< >	PEDESTRIAN MOVEMENT

OASIS 2070E TIMING CHART			
	PHASE		
FEATURE	2	4	8
Min Green 1 *	10	7	7
Extension 1 *	0.0	0.0	0.0
Max Green 1 *	30	20	20
Yellow Clearance	3.0	3.0	3.0
Red Clearance	1.9	1.9	1.9
Red Revert	2.0	2.0	2.0
Walk 1 *	21	11	13
Don't Walk 1	9	9	7
Walk Advance **	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
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

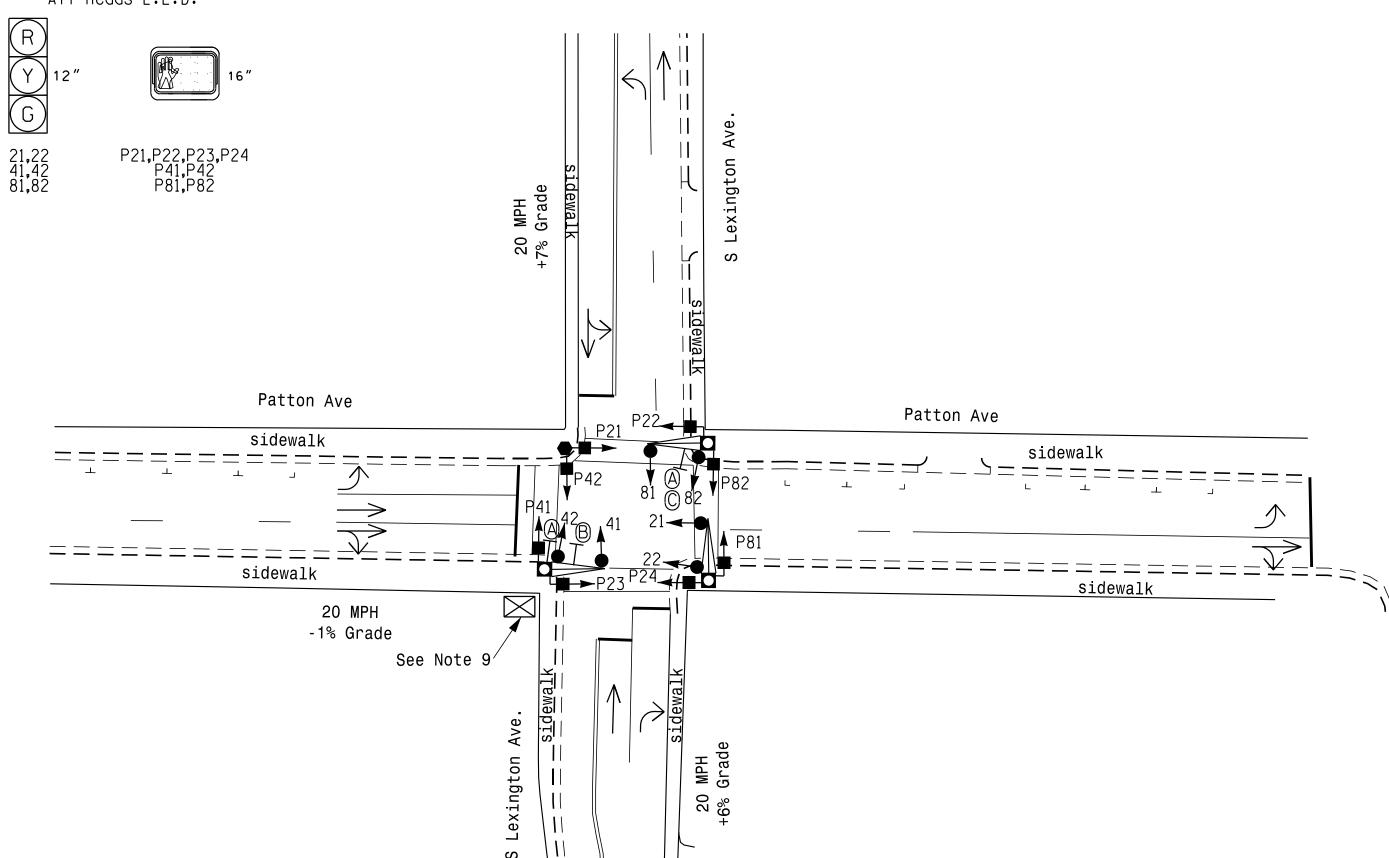
phases 2 and 6 lower than what is shown. Min Green for all other phases should not

TABLE OF OPERATION				
	PHASE			
SIGNAL		Ø	F	
FACE	Ø۷	04+8	LASH	
21,22	G	R	Υ	
41,42	R	G	R	
81,82	R	G	R	
P21 , P22 , P23 , P24	W	DW	DRK	
P41 , P42	DW	W	DRK	
P81 , P82	DW	W	DRK	

W - Walk DW - Don't Walk DRK – Dark

SIGNAL FACE I.D.

All Heads L.E.D.



2 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. 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. Program Phase 2 for Rest-in-Walk.

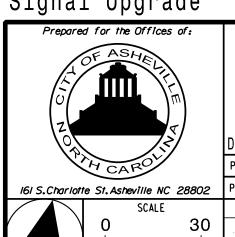
LEGEND

	LLULIND	
<u>PROPOSED</u>		EXISTING
\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	$\subset = = = = = = = = = = = = = = = = = = =$
\boxtimes	Controller & Cabinet	K K Z
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	- Metal Pole with Mastarm	
$\langle \! \Delta \! \rangle$	'ONE WAY' Sign (R6-2)	\triangle
B	'NO RIGHT TURN' Sign (R3-1)	B
(C)	'NO LEFT TURN' Sign (R3-2)	©
$\overline{\bigcirc}$	Type II Signal Pedestal	•

Signal Upgrade

Mattern & Craig

CONSULTING ENGINEERS • SURVEYORS
FIRM LICENSE No. C-1154
12 BROAD STREET
ASHEVILLE, NORTH CAROLINA 28801
(828) 254-2201
FAX (828) 254-4562



	Patton Av	/ e
	at	
S	Lexington	Ave

ivision	13 Buncombe	C	ounty	Ash	nevil
PLAN DATE:	MAY 2016		REVIEWED BY:	SMH	
REPARED BY:	BGR		REVIEWED BY:	JBV	
	REVISIONS			INIT.	DATE

