

PHASING DIAGRAM DETECTION LEGEND

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

ACCES	SIBLE PEDESTRIAN	SIGNAL OPERATION	
SIGNAL FACE	INTERVAL	MESSAGE/TONE*	
P41, P42	Walk	"College Street: Walk sign is on to cross College Street."	
	Flashing Don't Walk/Don't Walk	Silent Pushbutton Locator Tone Only**	
P61, P62 P63,P64	Walk	"Market Street: Walk sign is on to cross Market Street."	
	Flashing Don't Walk/Don't Walk	Silent Pushbutton Locator Tone Only**	
P81, P82	Walk	"College Street: Walk sign is on to cross College Street."	
	Flashing Don't Walk/Don't Walk	Silent Pushbutton Locator Tone Only**	

* Volume should be set to no more than 5 db over the ambient noise level. **Pushbutton locator tones shall have a duration of 0.15 seconds or less, and shallrepeat at 1-second intervals.

OASIS 2070E TIMING CHART						
0A010 201	1					
	PHASE					
FEATURE	4	6	8			
Min Green 1 *	7	10	7			
Extension 1 *	0.0	0.0	0.0			
Max Green 1 *	20	30	20			
Yellow Clearance	3.0	3.0	3.0			
Red Clearance	2.8	2.4	2.4			
Red Revert	2.0	2.0	2.0			
Walk 1 *	12	20	11			
Don't Walk 1	8	10	9			
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			

* 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.

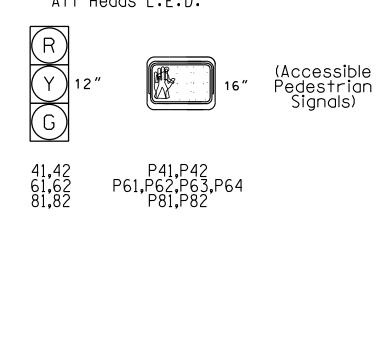
** See Note 9.

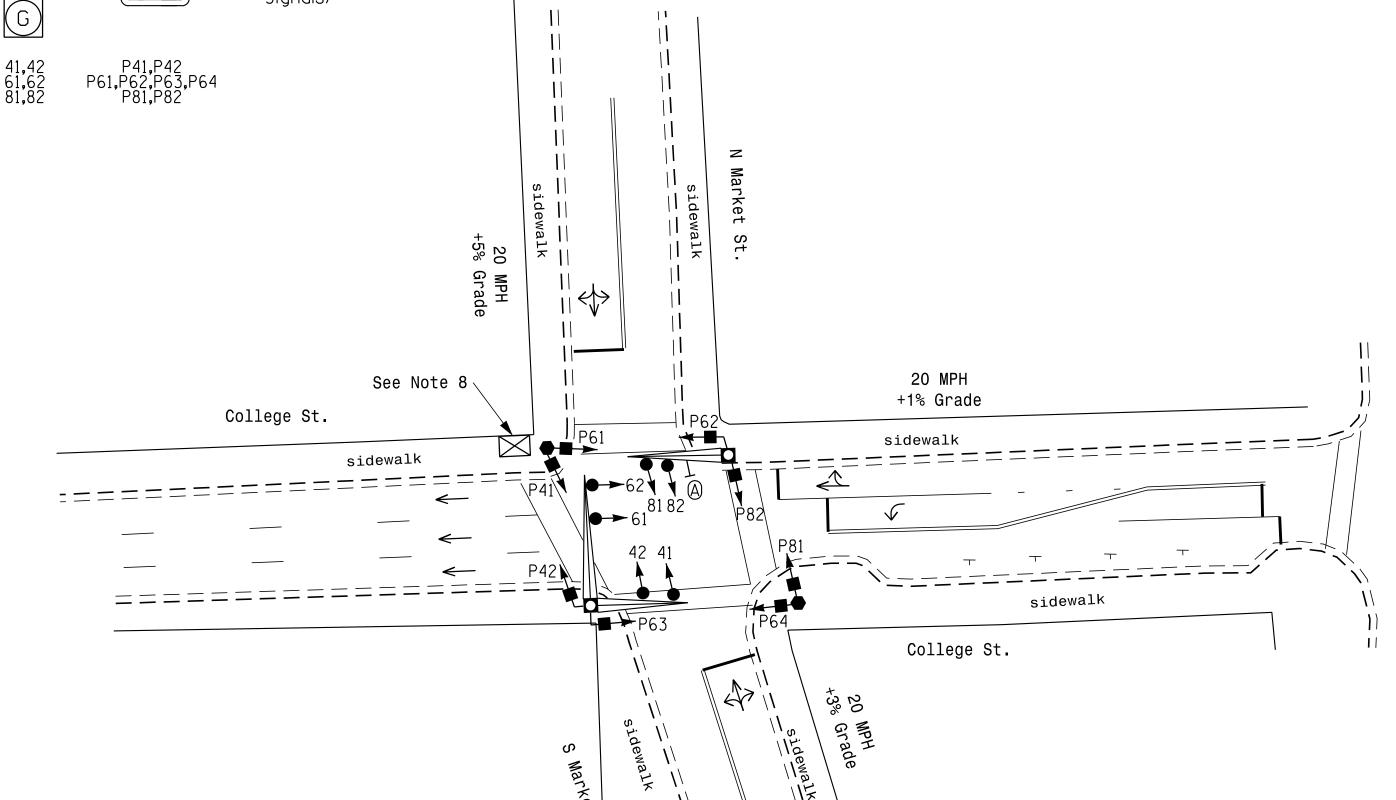
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	PHASE		
SIGNAL FACE	∞ ω	Ø4+8	LUDUI
41,42	R	G	R
61,62	G	R	Υ
81,82	R	G	R
P41,P42	DW	W	DRK
P61,P62, P63,P64	W	DW	DRK
P81,P82	DW	W	DRK

W - Walk DW - Don't Walk DRK – Dark

SIGNAL FACE I.D.

All Heads L.E.D.





2 Phase Pre-Timed (Asheville Signal System)

PROJECT REFERENCE NO.

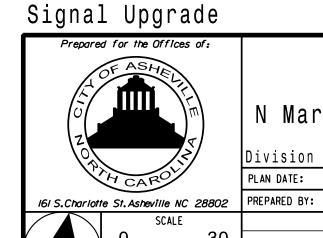
U-4715B

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
- 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.
- 9. Program controller to allow an Advance Walk movement before serving the vehicle
- 10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 11. Program Phase 6 for Rest-in-Walk.

LEGEND

	LLGLND	
<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
$\overline{}$	Sign	\dashv
\downarrow	Pedestrian Signal Head With Push Button & Sign	+
\bigcirc	Signal Pole with Guy	
; ر	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subseteq = = \supset$
\boxtimes	Controller & Cabinet	K X Z
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
\bigcirc	Type II Signal Pedestal	
	'TURNING VEHICLES YIELD TO PEDESTRIANS' Sign (R10-15)	



College St. N Market St. and S Market St.

Division 13 Buncombe County Asheville PLAN DATE: JUNE 2016 REVIEWED BY: SMH REVIEWED BY: JBV REVISIONS INIT. DATE

SIGNATURE SIG. INVENTORY NO.

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