

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

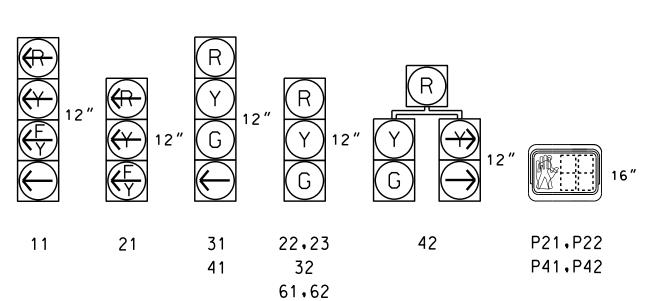
← − − > PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

TABLE OF OPERATION						
	PHASE					
SIGNAL FACE	Ø1+6	ØN+6	Ø 3	Ø 4	エーセのエ	
11	↓	나	#	#	→	
21	╙╠╴	щ <mark>≻</mark>	#	#	√	
22. 23	R	G	R	R	Υ	
31	R	R	إ ك	R	R	
32	R	R	G	R	R	
41	R	R	R	ل ا	R	
42	$\mathbb{R}/$	R	R	G	R	
61, 62	G	G	R	R	Υ	
P21,P22	DW	W	DW	DW	DRK	
P41,P42	DW	DW	DW	W	DRK	

SIGNAL FACE I.D. All Heads L.E.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
INDUCTIVE LOOPS DETECTOR PROGRAMMING												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1 Λ	1A 6X40 0 2-4-2		1	Υ	Υ	_	-	15	-	Υ		
I A		40 0	2 4 2 -	_	6	Υ	Υ	Υ	-	3	-	Υ
1B	6X40	+12	2-4-2	-	1	Υ	Υ	-	-	15	-	Υ
2 A	6X6	320	EXIST	-	2	Υ	Υ	-	-	-	-	Υ
2B	6X6	320	EXIST	-	2	Υ	Υ	-	-	-	-	Υ
3 A	6X60	+5	2-4-2	-	3	Υ	Υ	-	-	5	-	Υ
4 A	6X40	+12	2-4-2	_	4	Υ	Υ	-	-	3	-	Υ
6 A	6X6	290	EXIST	-	6	Υ	Υ	-	-	-	-	Υ
6B	6X6	290	EXIST	-	6	Υ	Υ	-	_	-	_	Υ

PROJECT REFERENCE NO. SHEET NO. U-4715 B Sig.99.0

4 Phase Fully Actuated Asheville Signal System

<u>NOTES</u>

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 may be lagged.
- 4. The order of phase 3 and phase 4 may be reversed.
- 5. Reposition existing signal heads numbered 22, 23 & 62.
- 6. Install separate lead-in cable for existing loops 2A, 2B, 6A & 6B.
- 7. Set all detector units to presence mode.
- 8. 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 10. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 11. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 12. Pavement markings are existing.
- 13. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

Install new base-mounted

cabinet on existing foundation.

	OASIS	2070	TIMINO	G CHAR	Γ		
	PHASE						
FEATURE	1	2	3	4	6		
Min Green 1 *	7	12	7	7	12		
Extension 1 *	2.0	6.0	2.0	2.0	6.0		
Max Green 1 *	15	90	20	25	90		
Yellow Clearance	3.0	4.8	4.1	3.0	4.8		
Red Clearance	2.8	2.8	3. 4	3 . 9	2.8		
Red Revert	2.0	2.0	2.0	2.0	2.0		
Walk 1 *	-	7	-	7	-		
Don't Walk 1	-	17	-	16	-		
Seconds Per Actuation *	-	1.5	-	-	1.5		
Max Variable Initial *	-	36	-	-	33		
Time Before Reduction *	-	15	-	-	15		
Time To Reduce *	-	30	-	-	30		
Minimum Gap	-	3.0	-	-	3.0		
Recall Mode	-	MIN RECALL	-	-	MIN RECALL		
Vehicle Call Memory	-	YELLOW	-	-	YELLOW		
Dual Entry	-	-	-	-	-		
Simultaneous Gap	ON	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.

LEGEND								
<u>PROPOSED</u>		EXISTING						
\bigcirc	Traffic Signal Head	•						
O	Modified Signal Head	N/A						
\dashv	Sign	\dashv						
\downarrow	Pedestrian Signal Head With Push Button & Sign	•						
$\bigcirc \hspace{-1em} \longrightarrow \hspace{-1em})$	Signal Pole with Guy	•						
	Signal Pole with Sidewalk Guy	, •						
	Inductive Loop Detector	$\subset = = \supset$						
	Controller & Cabinet	K×3						
	Junction Box							
	2-in Underground Conduit							
N/A	Right of Way							
\longrightarrow	Directional Arrow	\longrightarrow						
\bigcirc	Signal Pedestal	•						

