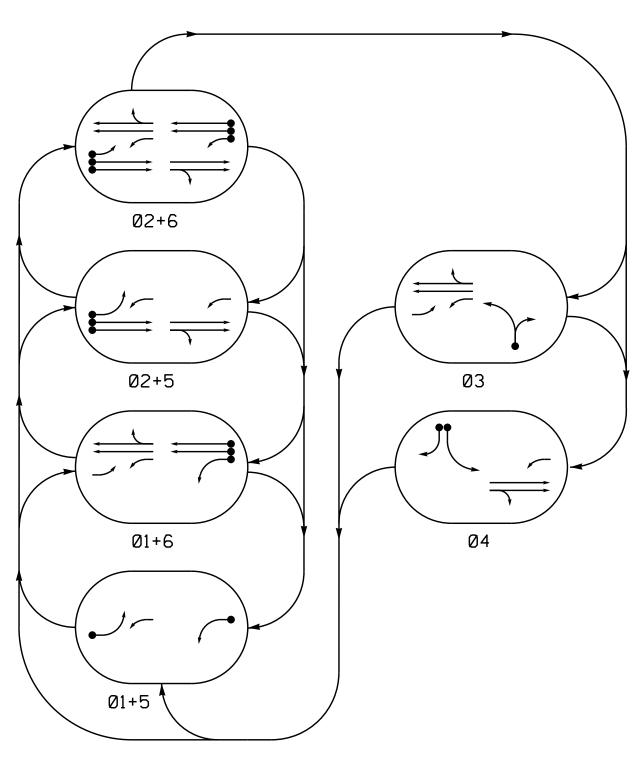
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

♪

← − − > PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

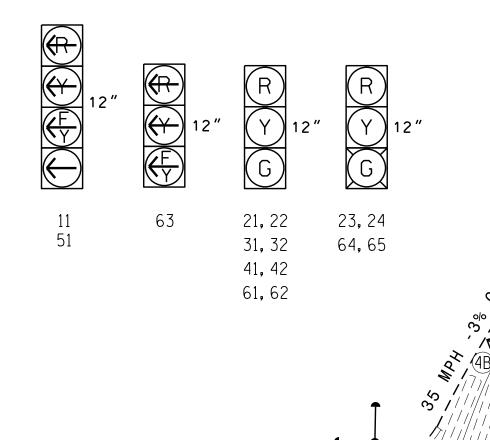
US 70 (Tunnel Road)

45 MPH +3% Grade

TABLE OF OPERATION											
	PHASE										
SIGNAL FACE	01+5	01+6	◎ 2+5	∞ N+6	Ø۳	04	止しなのエ				
11	\	+	나	╙╬		누	- ¥				
21, 22	R	R	G	G	R	R	Υ				
23, 24	R	R	G	G	R	G	Υ				
31, 32	R	R	R	R	G	R	R				
41, 42	R	R	R	R	R	G	R				
51	—	- F	—	₹	- F	₩	- Y				
61, 62	R	G	R	G	R	R	Υ				
63	╙╬	ц≯	₽	ц \ ≻	₽	#	- +				
64, 65	R	G	R	G	G	R	Υ				

SIGNAL FACE I.D.

All Heads L.E.D. G Optically Programmed Section



SR 2001 (Arnold Road)

→ 62

pleasant Ridge Drive

24 ←

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 A	6X60	0	2-4-2	_	1	Υ	Υ	-	-	15	-	Υ
					6	Υ	Υ	~	i	3	ı	Υ
2A	6X6	300	EXIST	-	2	Υ	Υ	ı	-	ı	-	Υ
2B	6X6	300	EXIST	-	2	Υ	Υ	-	-	1	-	Υ
3A	6X60	0	2-4-2	-	3	Υ	Υ	-	-	10	-	Υ
4A	6X40	0	2-4-2	-	4	Υ	Υ	-	-	3	-	Υ
4B	6X40	+5	2-4-2	-	4	Υ	Υ	-	-	15	-	Υ
5A	6X60	0	2-4-2	-	5	Υ	Υ	-	-	15	-	Υ
					2	Υ	Υ	Υ	-	3	-	Υ
6A	6X6	300	EXIST	-	6	Υ	Υ	-	-	-	-	Υ
6B	6X6	300	EXIST	-	6	Υ	Υ	-	_	_	-	Υ

Install new base-mounted

cabinet on existing foundation.

45 MPH -2% Grade

US 70 (Tunnel Road)

6 Phase Fully Actuated Asheville Signal System

NOTES

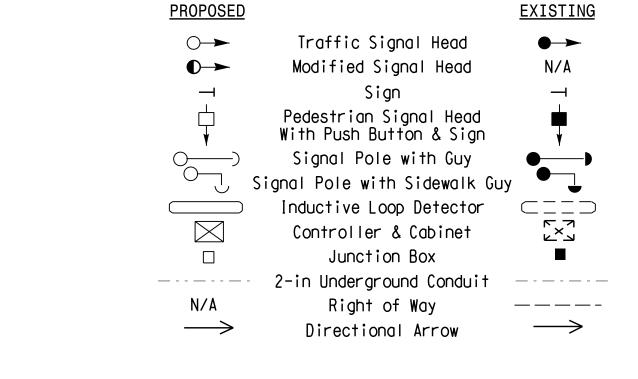
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 and/or phase 5 may be lagged.
- 4. The order of phase 3 and phase 4 may be reversed.
- 5. Reposition existing signal heads numbered 22, 62, 64 and 65.
- 6. Set all detector units to presence mode.
- 7. 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.
- 8. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 9. Pavement markings are existing.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

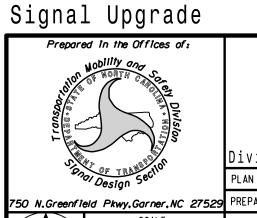
<u>LEGEND</u>

	OASIS	2070	TIMING	CHART	-					
	PHASE									
FEATURE	1	2	3	4	5	6				
Min Green 1 *	7	12	7	7	7	12				
Extension 1	1.0	6.0	1.0	2.0	1.0	6.0				
Max Green 1 *	15	90	25	25	15	90				
Yellow Clearance	3.0	4.7	3.2	4.1	3.0	4.7				
Red Clearance	2.3	1.2	2.3	1.4	2.1	1.2				
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0				
Walk 1 *	-	-	-	-	-	-				
Don't Walk 1	-	-	-	-	-	-				
Seconds Per Actuation *	-	1.5	-	-	-	1.5				
Max Variable Initial *	-	34	-	-	-	34				
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	-	-	-	-	-	-				

* 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.

ON





US 70 (Tunnel Road) Pleasant Ridge Drive and SR 2001 (Arnold Road)

Division 13 Buncombe County July 2016 REVIEWED BY: T.J. Williams 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: REVISIONS INIT. DATE

Richard N. Zinser 10/25/2016 SIG. INVENTORY NO. 13-0707

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

SEAL

1"=40'