

TABLE OF OPERATION									
	PHASE								
SIGNAL FACE	01+6	ØN+6	0 0	FLASH					
11	\	æ	#	- ¥					
21, 22	R	G	R	Υ					
61,62	G	G	R	Υ					
81	R	R	G	R					
82	R/	R	G	R					

L	_n/\	IIO	111	SIGNAL FACE	T D
	PHA	ASE		SIGNAL FACE	1.0.
	Ø 2	0	F	All Heads L.E	.D.
	6	08	LASH		
-	F ≻	#	₹	12" (R)	
	G	R	Υ	1 Y 12"	
	G	R	Υ		$\not =$
	R	G	R		G)
_	R	G	R		
				11 21, 22 61, 62 81	82

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	even	0	2 4 2		1	Υ	Υ	-	-	15	-	Υ
1 A	6X60	0	2-4-2	_	6	Υ	Υ	Υ	-	3	-	Υ
1B	6X60	0	2-4-2	-	1	Υ	Υ	-	-	15	-	Υ
2A	6X6	300	EXIST	-	2	Υ	Υ	-	-	-	-	Υ
2B	6X6	300	EXIST	-	2	Υ	Υ	-	-	-	-	Υ
6A	6X6	300	EXIST	-	6	Υ	Υ	-	-	-	ı	Υ
8.8	6X60	0	2-4-2	-	8	Υ	Υ	ı	-	-	ı	Υ
8B	6X60	0	2-4-2	-	8	Υ	Υ	_			_	Υ
S1	6X6	+164	EXIST	-	_	-	-	-	_	_	Υ	Υ
S2	6X6	+164	EXIST	-	_	_	_	-	-	-	Υ	Υ

NOTES

3 Phase

Fully Actuated

Asheville Signal System

- 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 may be lagged.
- 4. Reposition existing signal head # 62.
- 5. Disconnect and abandon existing loops as shown.
- 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.

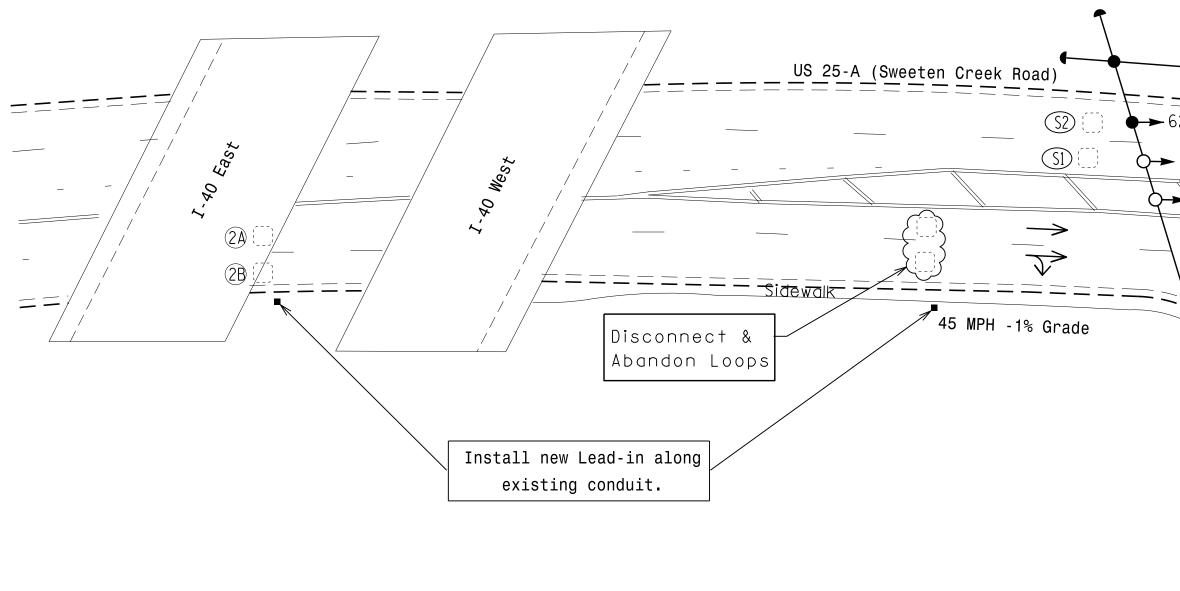
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

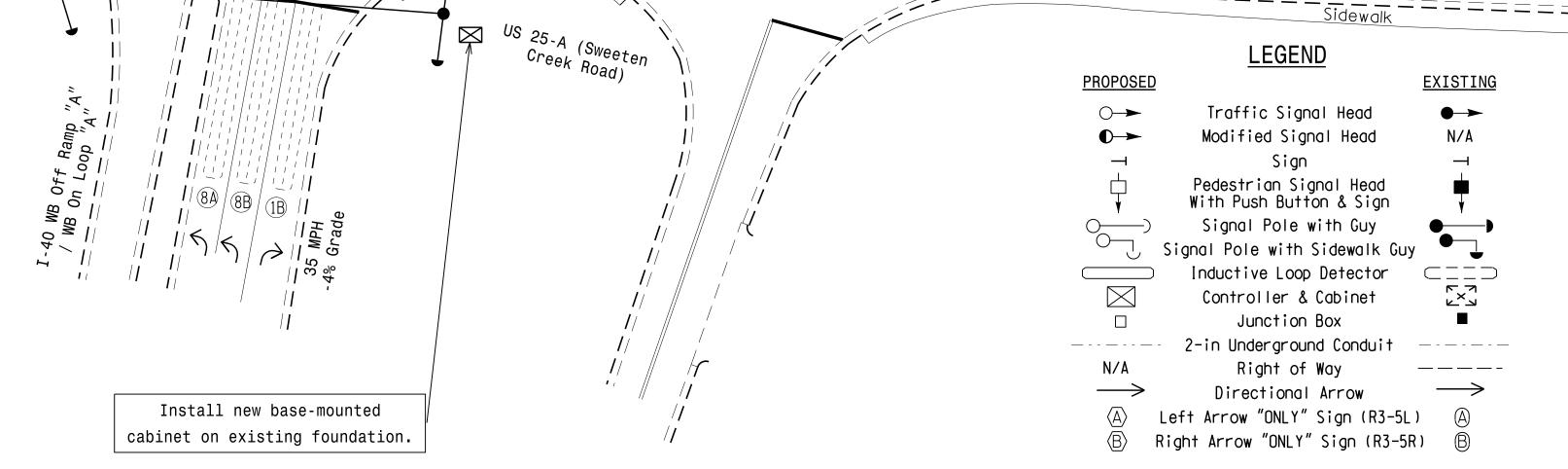
UNSIGNALIZED MOVEMENT

← − − > PEDESTRIAN MOVEMENT



OASIS	2070	TIMING	CHAR1			
	PHASE					
FEATURE	1	2	6	8		
Min Green 1 *	7	12	12	7		
Extension 1 *	2.0	6.0	6.0	2.0		
Max Green 1 *	15	90	90	30		
Yellow Clearance	3.0	4.6	4.6	3.0		
Red Clearance	2.9	1.8	1.8	3.3		
Red Revert	2.0	2.0	2.0	2.0		
Walk 1 *	-	-	-	-		
Don't Walk 1	-	-	-	-		
Seconds Per Actuation *	-	1.8	2.5	-		
Max Variable Initial *	-	34	34	_		
Time Before Reduction *	-	15	15	-		
Time To Reduce *	-	30	30	-		
Minimum Gap	-	3.0	3.0	-		
Recall Mode	-	SOFT RECALL	SOFT RECALL	-		
Vehicle Call Memory	-	YELLOW	YELLOW	-		
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.



22-

Disconnect & Abandon Loops

DOCUMENT NOT CONSIDERED Signal Upgrade US 25-A (Sweeten Creek Road) at I-40 WB Off Ramp "A" WB On Loop "A" Division 13 Buncombe County Asheville May 2016 REVIEWED BY: T. Williams 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: M. Mahbooba REVIEWED BY: REVISIONS INIT. DATE

1"=30'

SIGNATURES COMPLETED 024393

SIG. INVENTORY NO. 13-0668

FINAL UNLESS ALL