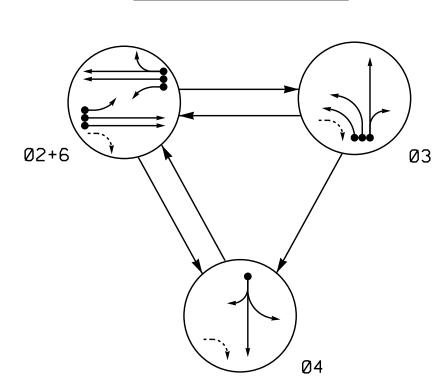
PHASING DIAGRAM



PHASING	DIAGRAM	DETECTION	LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT <−−> PEDESTRIAN MOVEMENT

TABLE OF OPERATION PHASE SIGNAL FACE 21,22 31,32 33,34 61,62

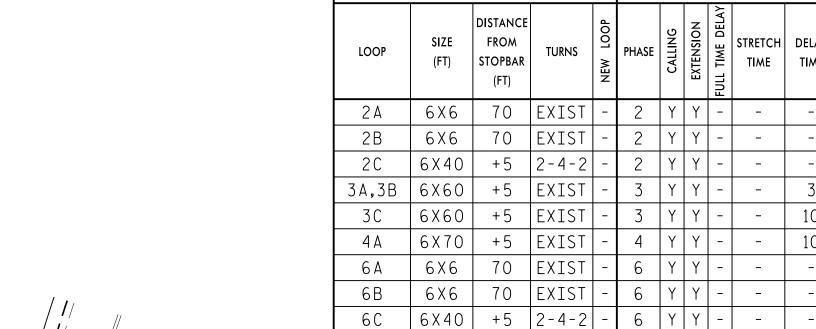
SIGNAL FACE I.D. All Heads L.E.D.

12"	R Y G
31,32	41

+2% Grade

35 MPH

u	R Y 12"	
	21,22 33,34 42 61,62	



INDUCTIVE LOOPS

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

DETECTOR PROGRAMMING

Install new base-mounted cabinet on existing foundation. US 25 (McDowell Street) 31 32 33 34

OASIS 2070 TIMING CHART				
	PHASE			
FEATURE	2	3	4	6
Min Green 1 *	12	7	7	12
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	45	30	20	45
Yellow Clearance	4.4	3.8	4.0	4.4
Red Clearance	2.1	2.2	2.1	2.1
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN 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

L	E	G	E	N	

3 Phase

Fully Actuated Asheville Signal System

NOTES

Drawings NCDOT" dated January

Specifications for Roads and

unless otherwise directed by

2. Do not program signal for late night flashing operation

3. The order of phase 3 and phase

replacement, refer to the

Manual and submit a Plan of Record to the Signal Design

6. Locate new cabinet so as not

current ITS and Signals Design

to obstruct sight distance of vehicles turning right on red.

7. Pavement markings are existing.

operation only. Coordinated signal system timing values

8. Maximum times shown in timing

chart are for free-run

supersede these values.

Structures" dated January 2012.

1. Refer to "Roadway Standard

2012 and "Standard

the Engineer.

presence mode.

Section.

5. In the event of loop

4 may be reversed.

4. Set all detector units to

	LEGEND	
<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	Γ×7 Γ × 2
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way/	
\longrightarrow	Directional Arrow	\longrightarrow

Directional Arrow

Signal Upgrade

US 25 (McDowell Street) / Asheland Avenue

US 25 (Southside Avenue)/Phifer St.

Division 13 Buncombe County PLAN DATE: January 2016 REVIEWED BY: P.L. Alexander 750 N.Greenfleld Pkwy.Garner.NC 27529 PREPARED BY: R.N. Zinser REVIEWED BY: REVISIONS INIT. DATE

SIG. INVENTORY NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED