



OAK HILL PARKWAY **GROWTH/TRAFFIC WORKSHOP**

July 25, 2017 | 1-3 PM

Central Texas Regional Mobility Authority
Lebermann Room



AGENDA

I. Welcome

Lynda Rife, Facilitator

II. OHAN

- Traffic Projection Concerns

III. CAMPO

- Travel Demand Model linkage to NEPA

IV. TxDOT

- Traffic Projection Process

V. Ryan Robinson, COA Demographer

- Growth Trends

VI. Question and Answer



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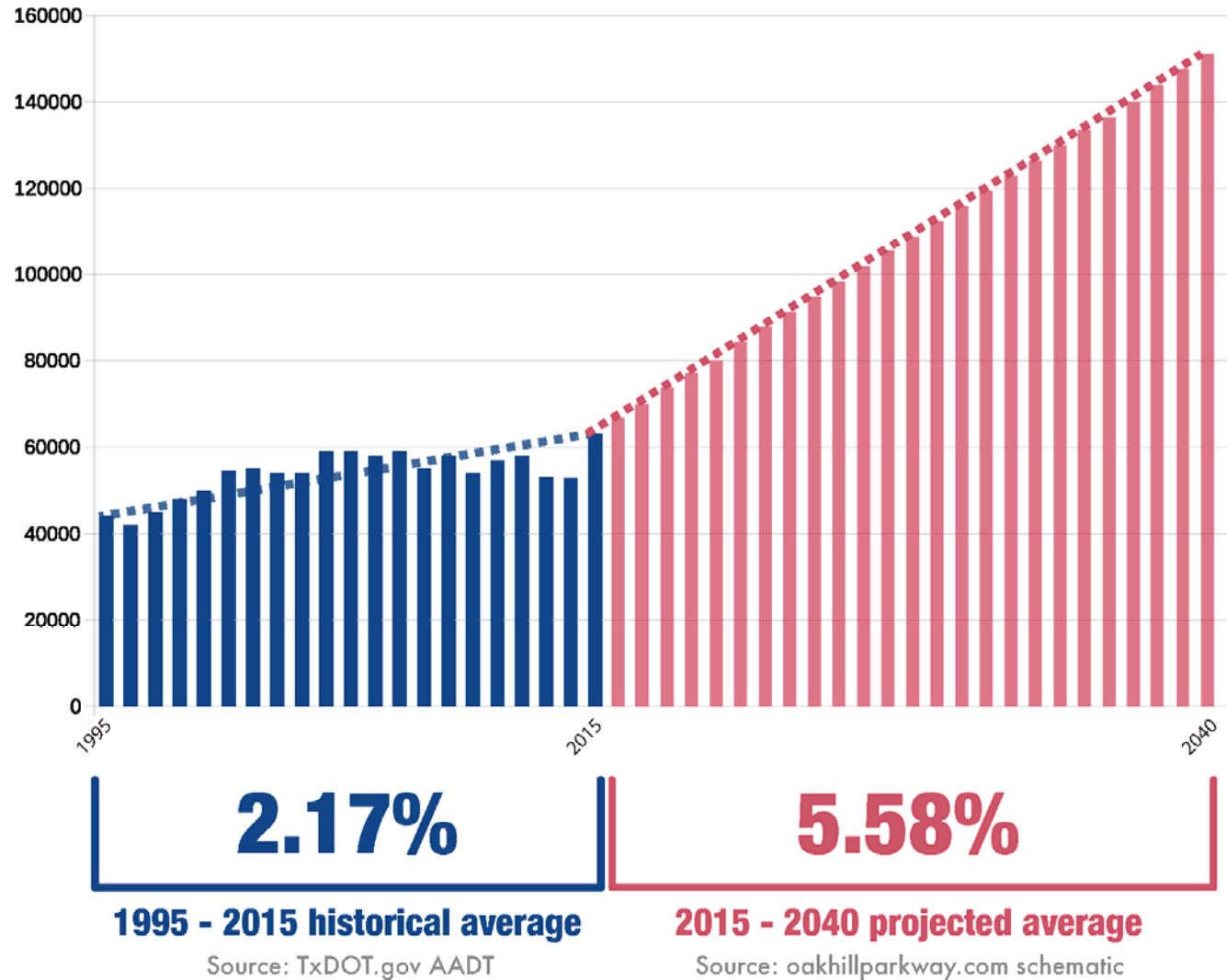
- Growth Trends

VI. Question and Answer



OAK HILL
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US 290 AND WILLIAM CANNON TRAFFIC COUNTS





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Overview of CAMPO Model

CAMPO's Travel Demand Model (TDM) is used to:

- Forecast traffic flows on the regional transportation system
- Evaluate roadway improvements or improvements to transit service
- Identify future year transportation system needs that may not exist today
- Evaluate alternative transportation solutions for development of long-range transportation plans



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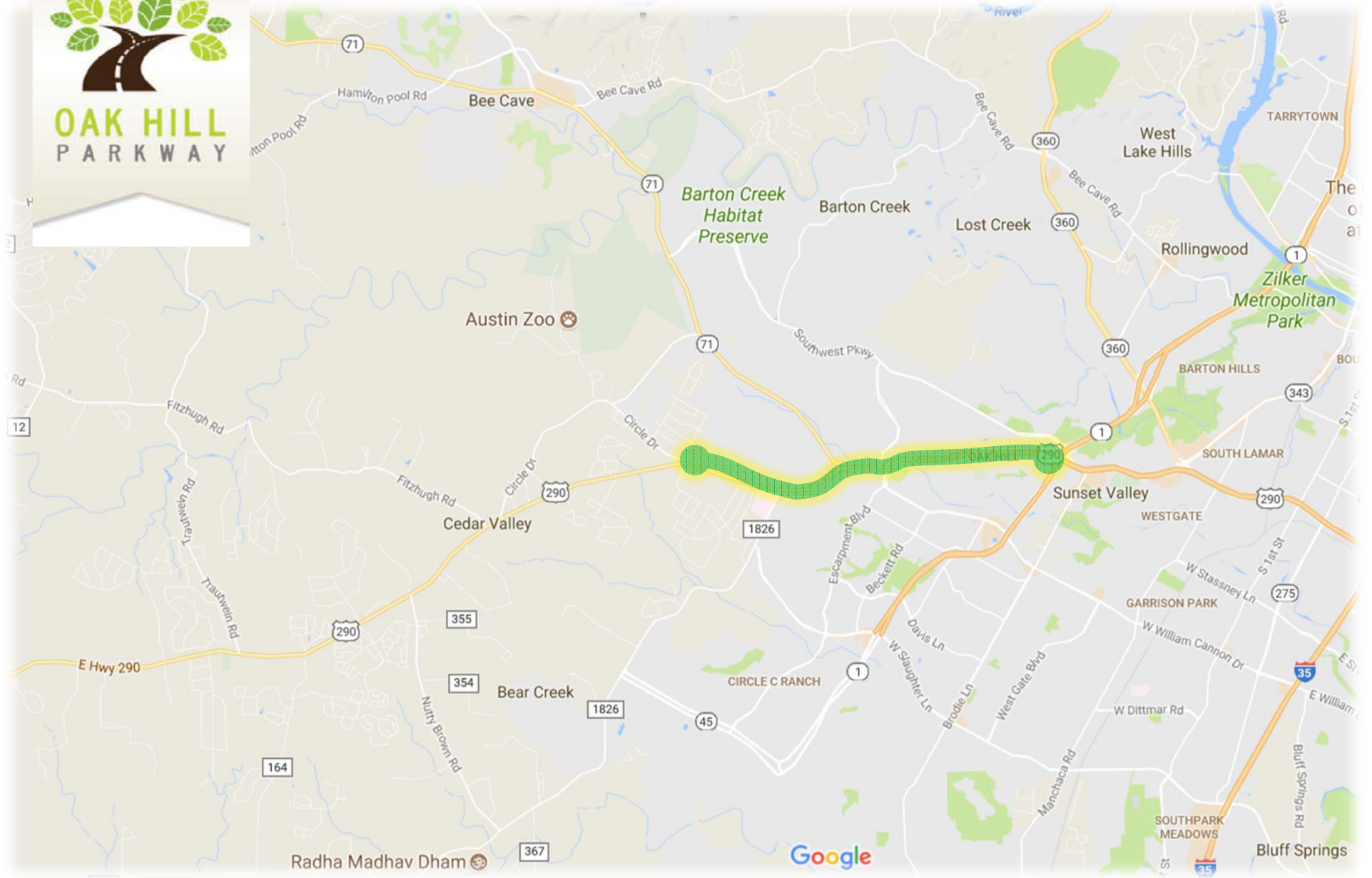
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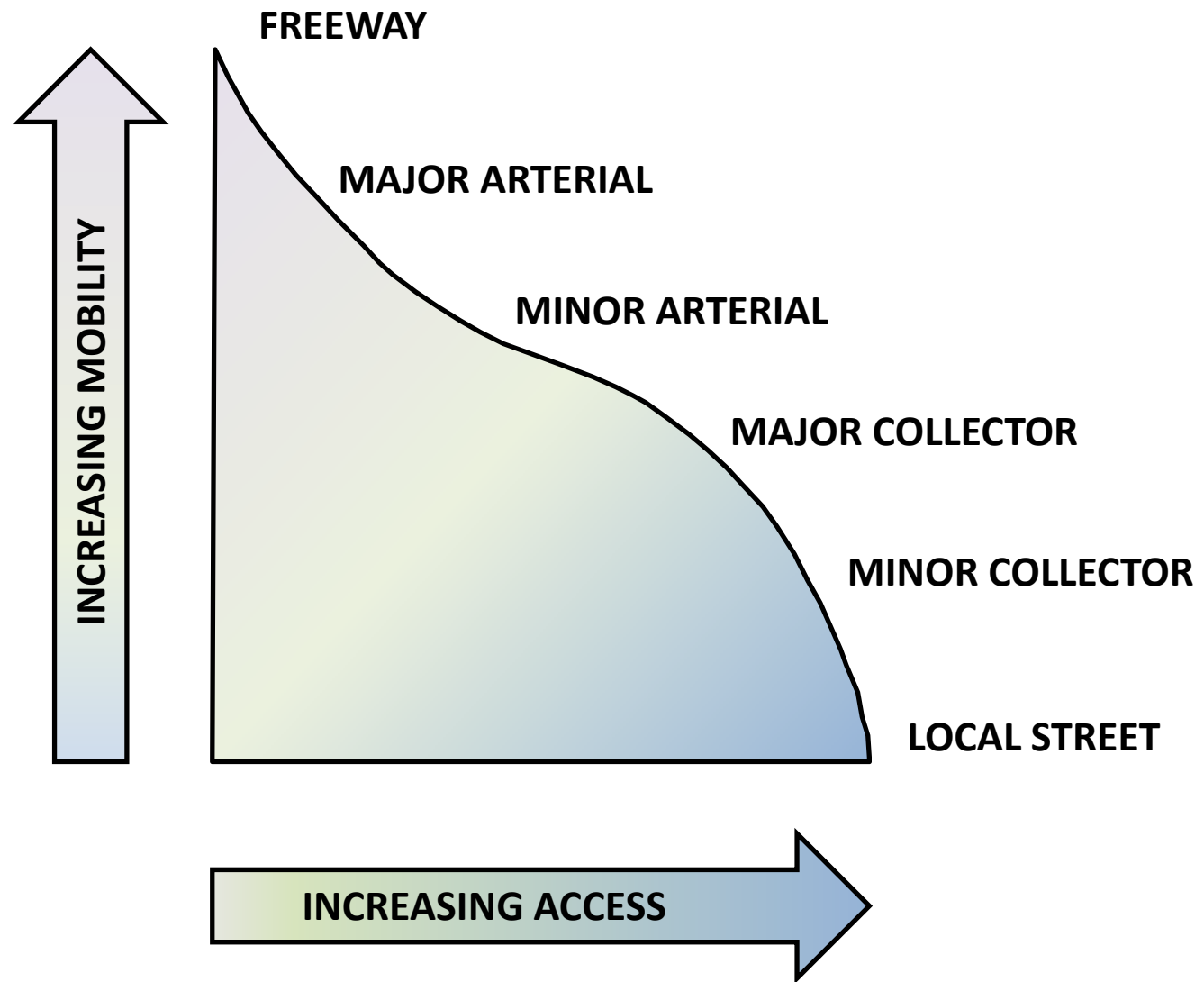


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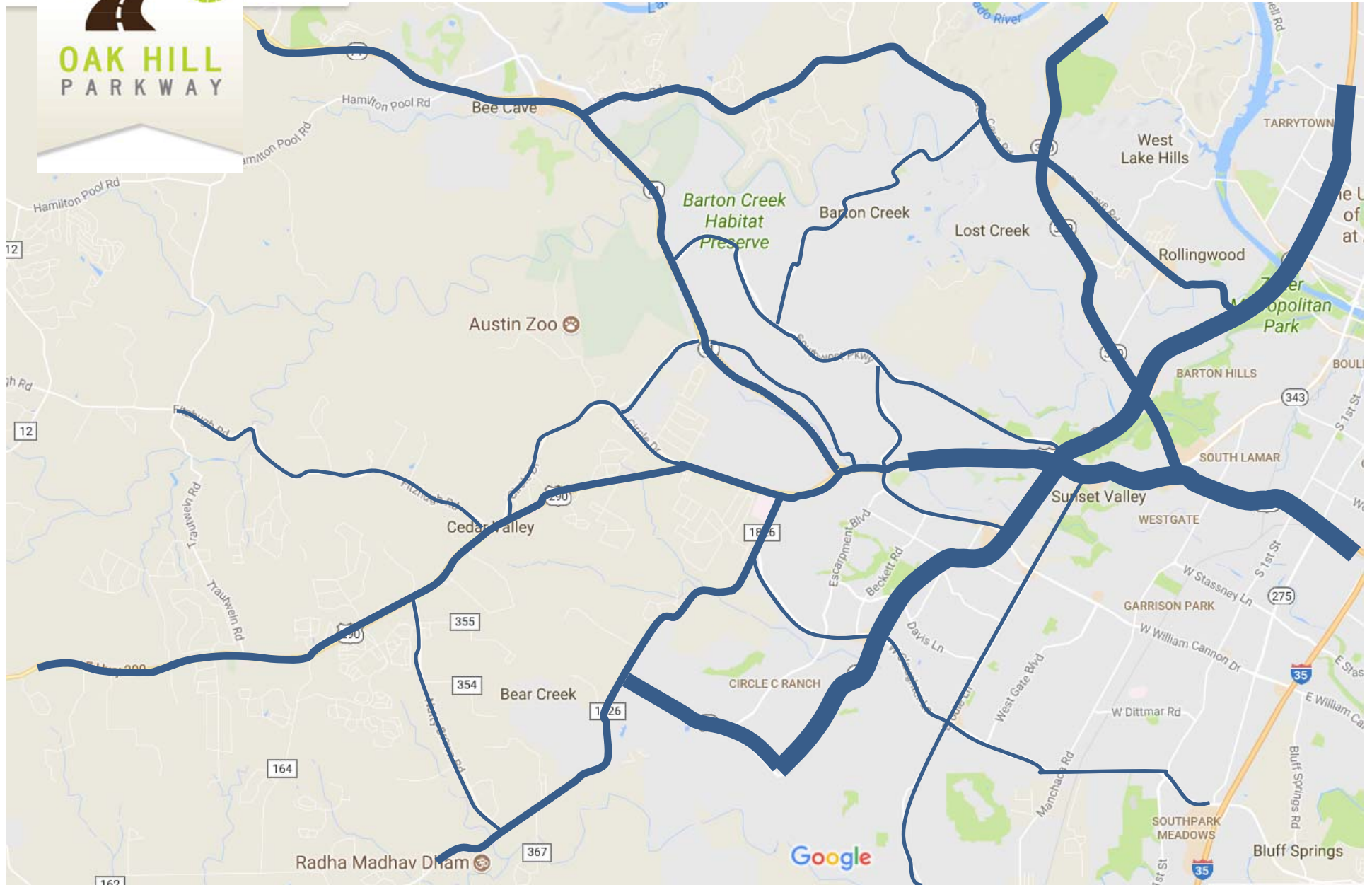
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HIGHWAY SYSTEM





COMPOUND GROWTH

$$A = P (1 + r/100)^n$$

A = total amount after n years

P = original value

r = rate of growth per annum

n = number of years



HISTORICAL DATA

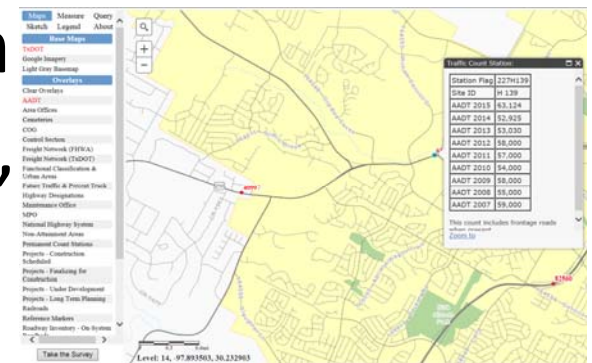


- Sources: On-system: TxDOT Statewide Planning Map, TP&P Data Management Division (traffic maps)

<http://www.txdot.gov/apps/statewide/mapping/StatewidePlanningMap.html>



- Off-system: TxDOT Urban Saturation Counts, City of Austin Traffic Counts, TxDOT Traffic Map

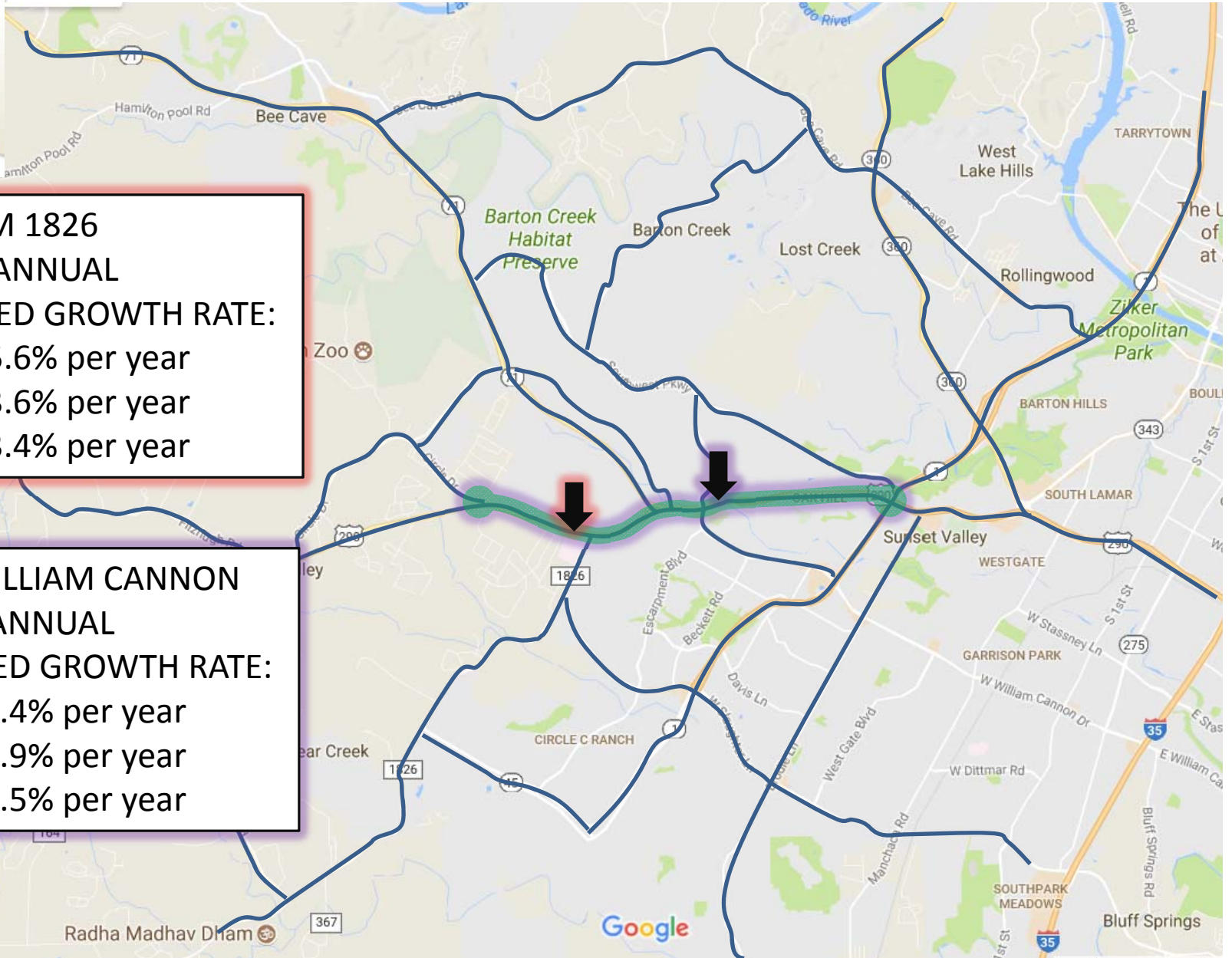




HISTORICAL GROWTH RATES

US 290 AT RM 1826
HISTORICAL ANNUAL
COMPOUNDED GROWTH RATE:
1990-1999: 5.6% per year
2007-2015: 3.6% per year
1990-2015: 3.4% per year

US 290 AT WILLIAM CANNON
HISTORICAL ANNUAL
COMPOUNDED GROWTH RATE:
1990-1999: 4.4% per year
2007-2015: 0.9% per year
1990-2015: 2.5% per year





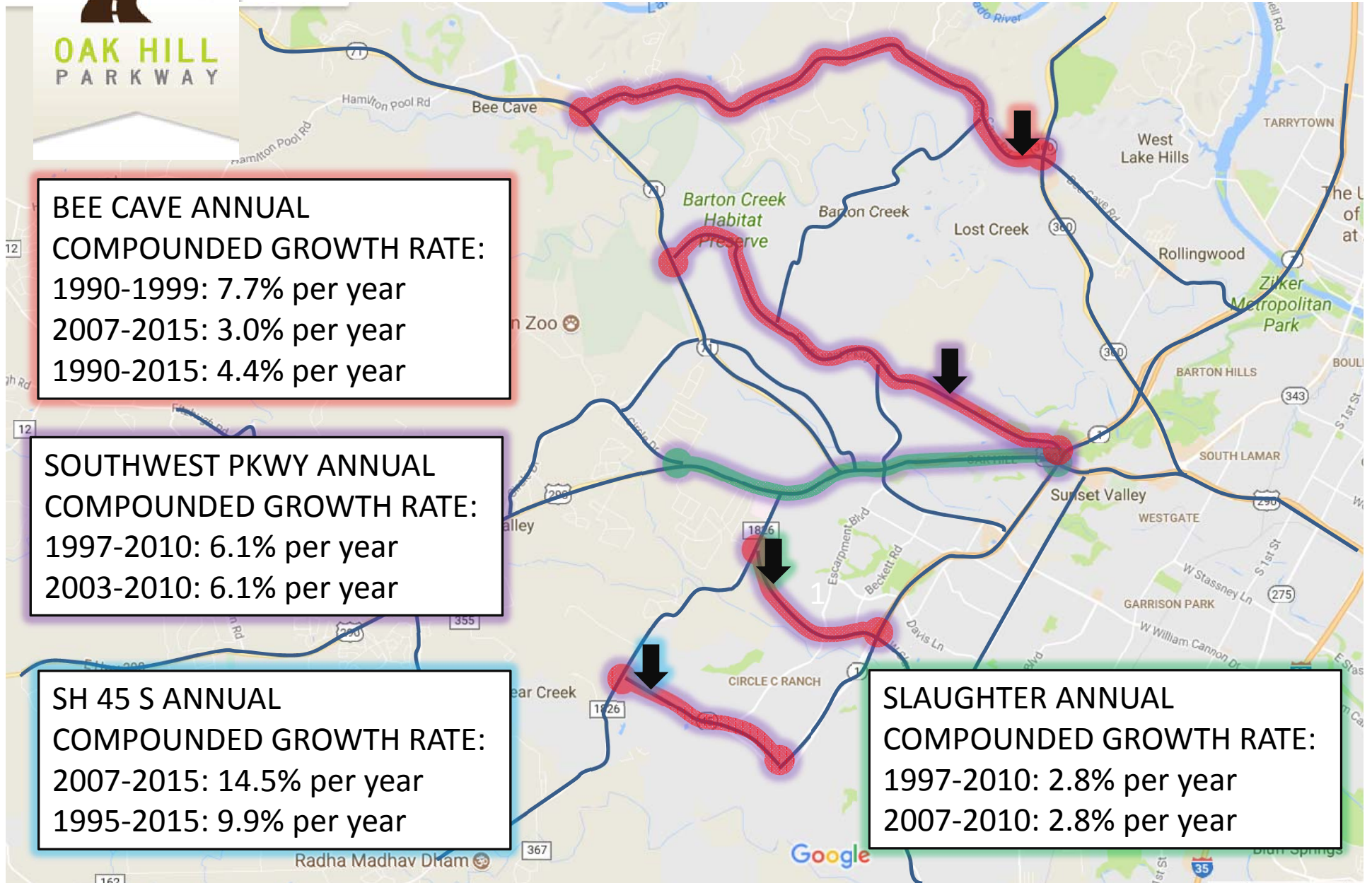
HISTORICAL GROWTH RATES

**BEE CAVE ANNUAL
COMPOUNDED GROWTH RATE:**
1990-1999: 7.7% per year
2007-2015: 3.0% per year
1990-2015: 4.4% per year

**SOUTHWEST PKWY ANNUAL
COMPOUNDED GROWTH RATE:**
1997-2010: 6.1% per year
2003-2010: 6.1% per year

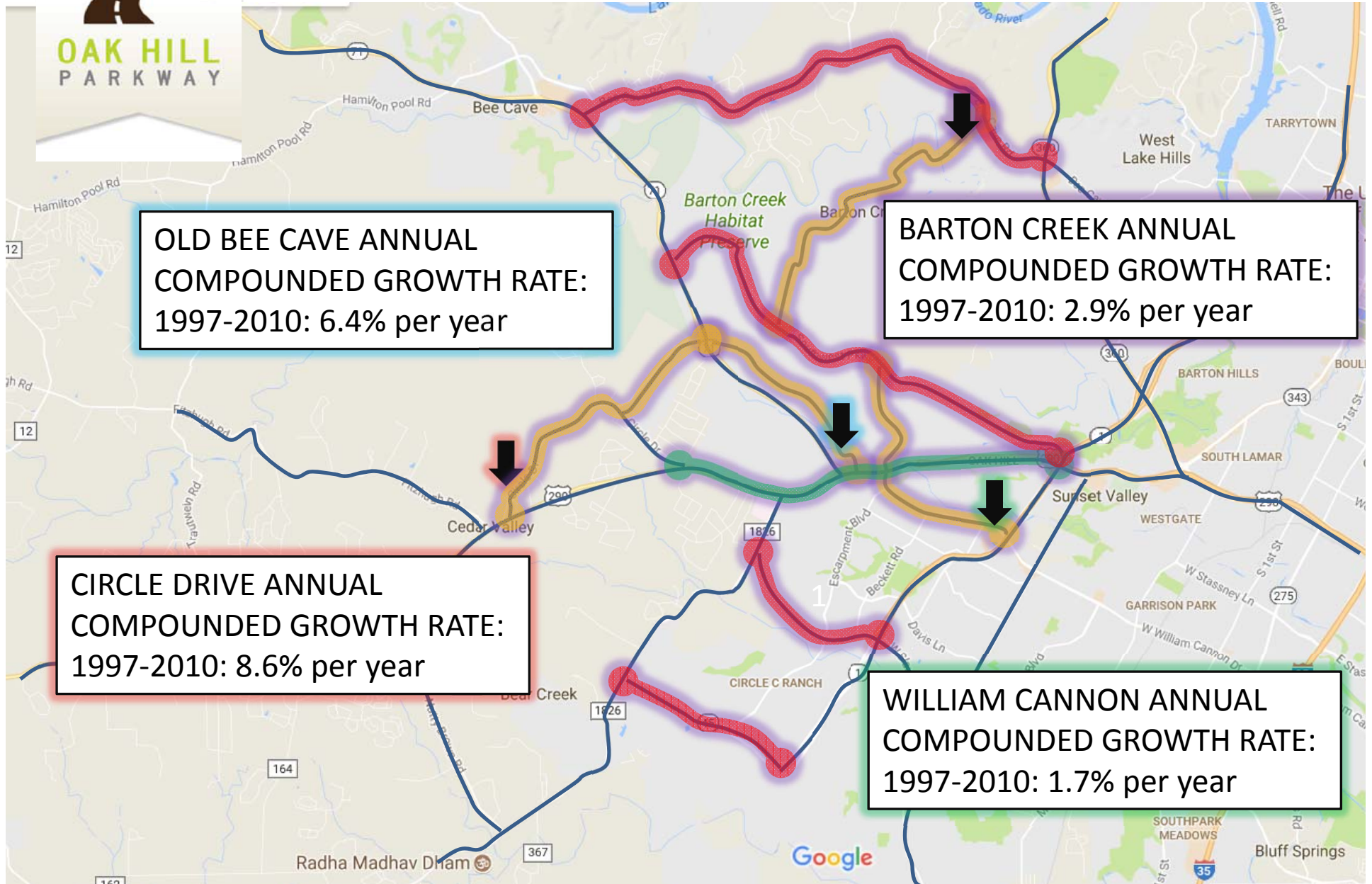
**SH 45 S ANNUAL
COMPOUNDED GROWTH RATE:**
2007-2015: 14.5% per year
1995-2015: 9.9% per year

**SLAUGHTER ANNUAL
COMPOUNDED GROWTH RATE:**
1997-2010: 2.8% per year
2007-2010: 2.8% per year





HISTORICAL GROWTH RATES



OLD BEE CAVE ANNUAL COMPOUNDED GROWTH RATE: 1997-2010: 6.4% per year

BARTON CREEK ANNUAL COMPOUNDED GROWTH RATE: 1997-2010: 2.9% per year

CIRCLE DRIVE ANNUAL COMPOUNDED GROWTH RATE: 1997-2010: 8.6% per year

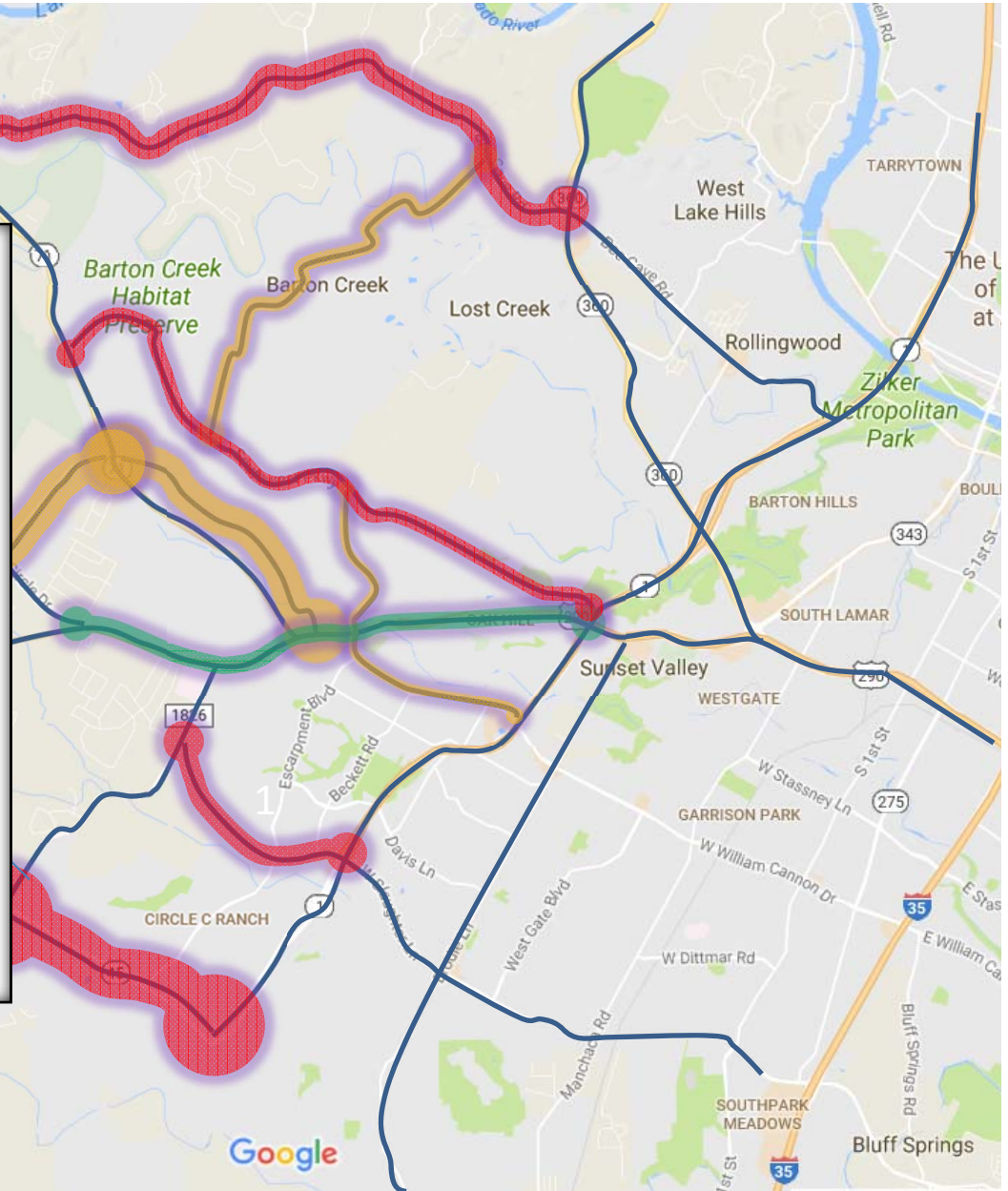
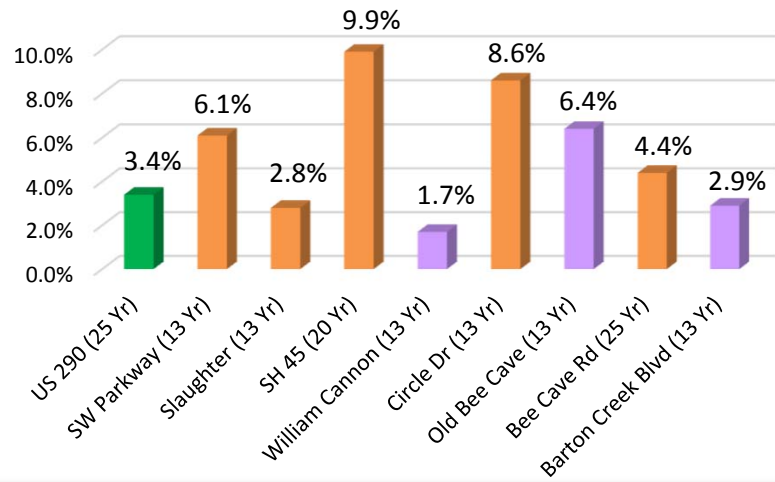
WILLIAM CANNON ANNUAL COMPOUNDED GROWTH RATE: 1997-2010: 1.7% per year



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GROWTH RATE COMPARISON

Historical Annual Compounded Growth over Max Period of Years





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CREATIVE ROUTES

To Avoid Congestion at the Y

CUT-THROUGH
TRAFFIC ROUTES
CITED BY DRIPPING
SPRINGS AREA
STAKEHOLDERS

POPULAR ROADS:
Hamilton Pool Rd.
Bee Cave Rd.
Circle Drive
Thomas Springs Rd.
Barton Creek Blvd.
Lost Creek Blvd.
RM 1826
W. Slaughter Ln.
Brodie Ln.





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To Avoid Congestion at the Y

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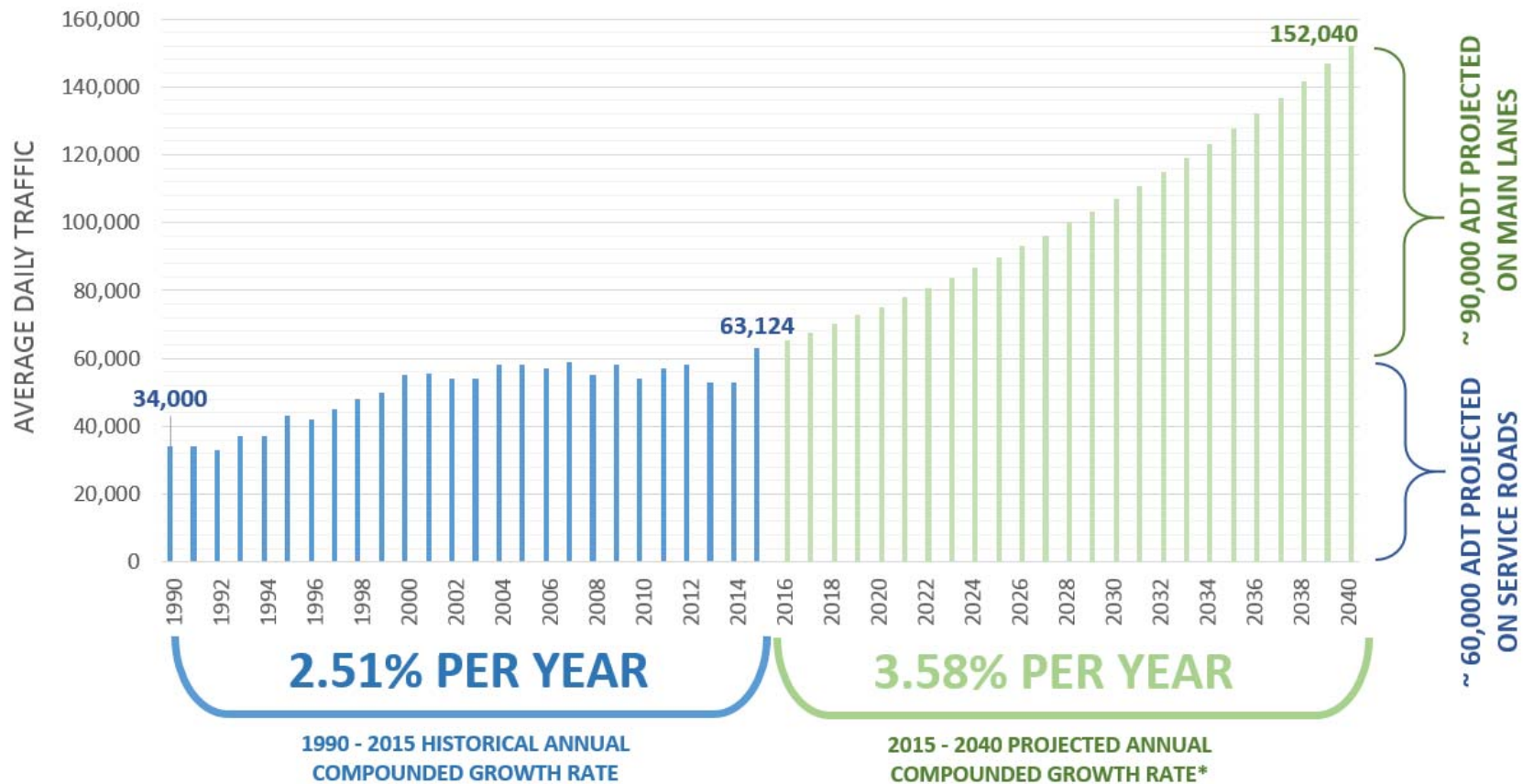
POPULAR ROADS:
Bee Cave Rd.
Southwest Parkway
Slaughter Ln.
RM 1826
Scenic Brook Dr.
Silvermine Dr.
Old Bee Caves Rd.
Barton Creek Blvd.





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HISTORICAL/PROJECTED DAILY TRAFFIC VOLUMES AT US 290, EAST OF WILLIAM CANNON

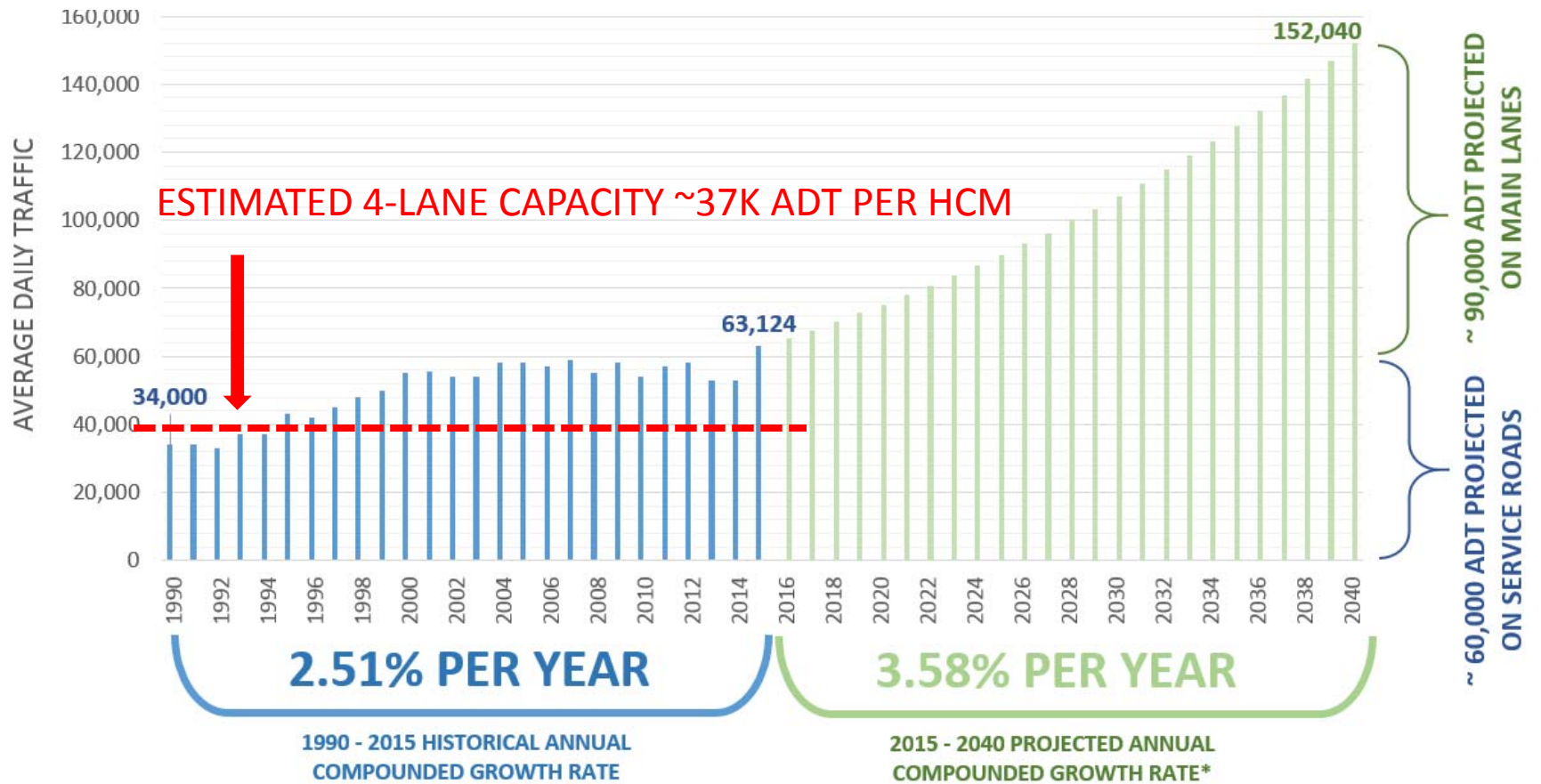


NOTE: (*) ACTUAL GROWTH PER YEAR MAY VARY AND IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



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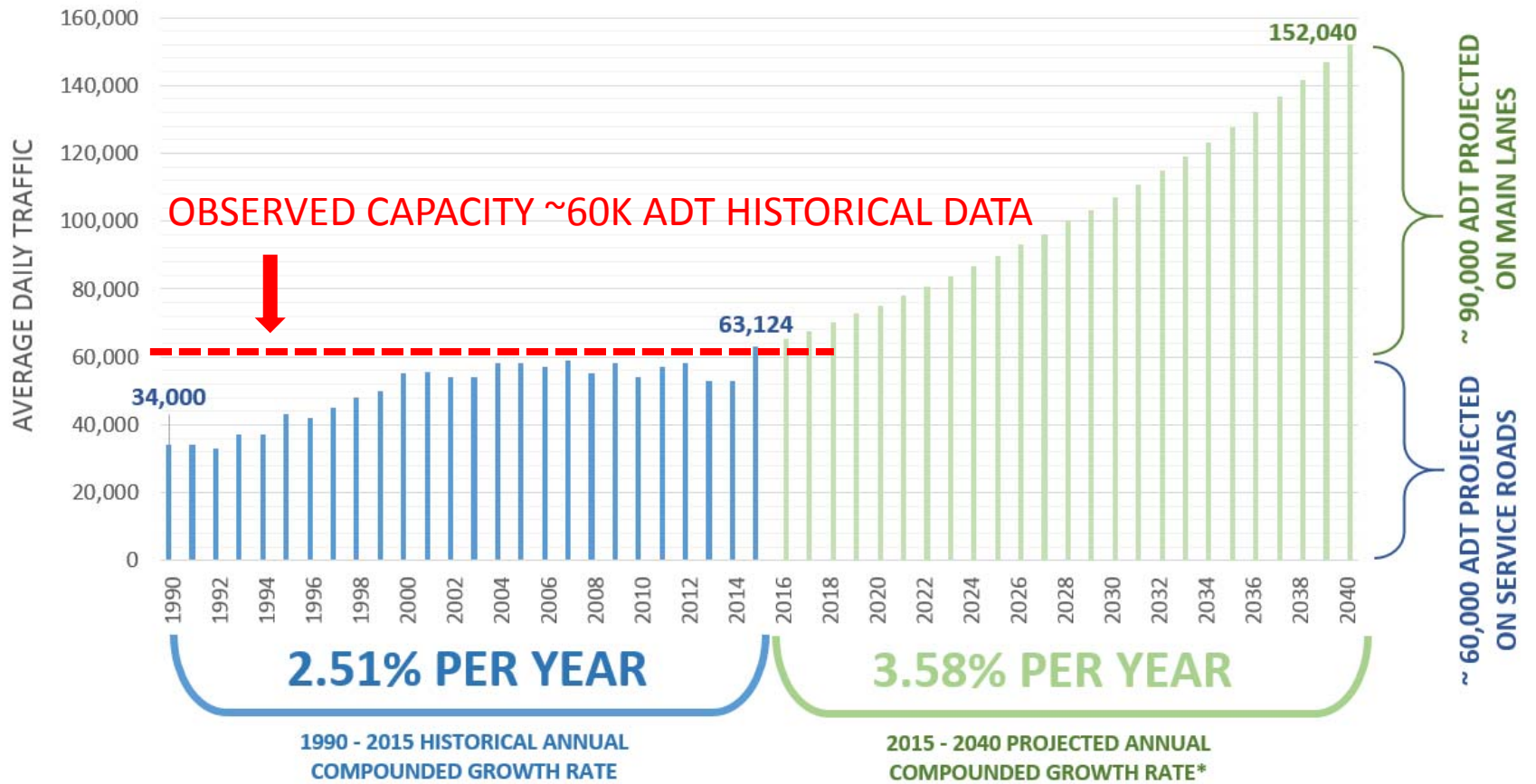


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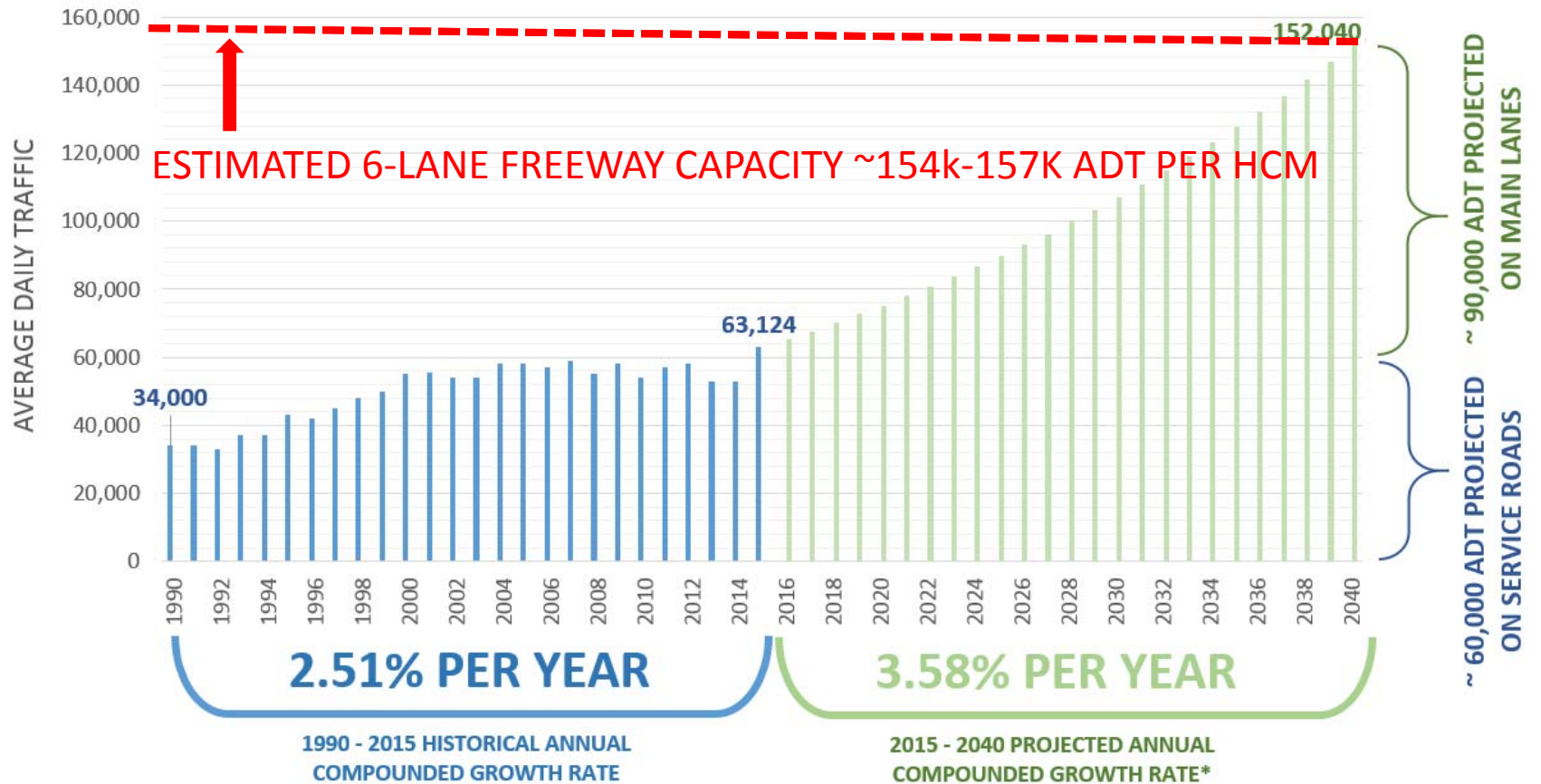


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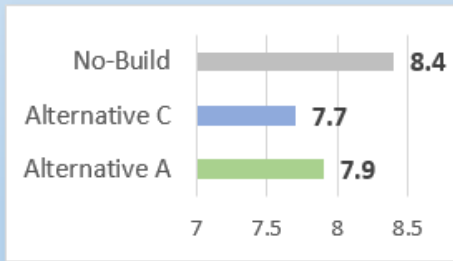
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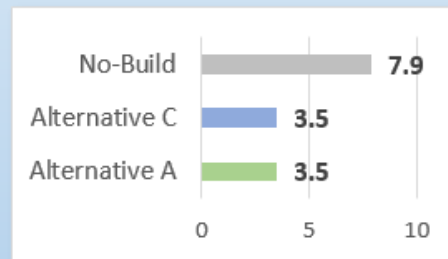
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2040 PROJECTED PEAK HOUR TRAVEL TIMES (MINUTES) US 290 FROM CIRCLE DRIVE TO OLD FREDERICKSBURG

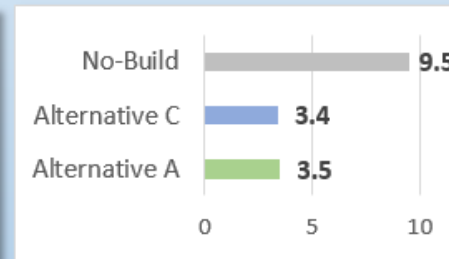
EASTBOUND FRONTAGE



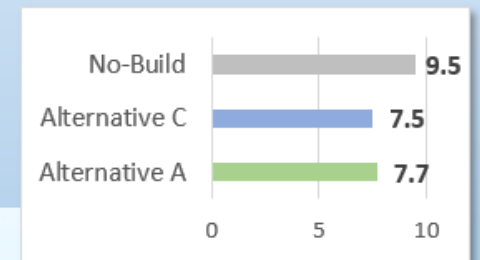
EASTBOUND MAIN LANES



WESTBOUND MAIN LANES



WESTBOUND FRONTAGE



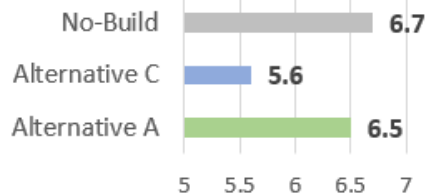
NOTE: FREEWAY CROSS SECTION FOR ILLUSTRATION PURPOSES ONLY.



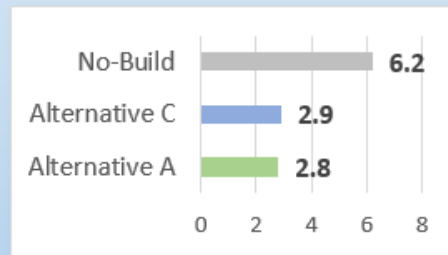
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2040 PROJECTED PEAK HOUR TRAVEL TIMES (MINUTES) SH 71 FROM SILVERMINE DRIVE TO OLD FREDERICKSBURG

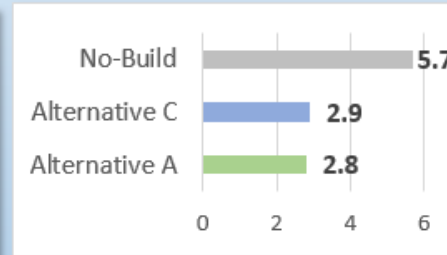
EASTBOUND FRONTAGE



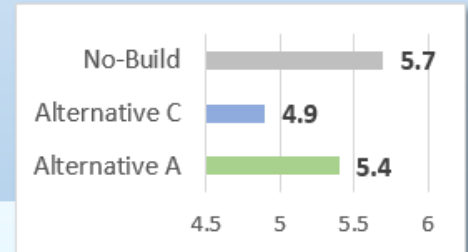
EASTBOUND MAIN LANES



WESTBOUND MAIN LANES



WESTBOUND FRONTAGE



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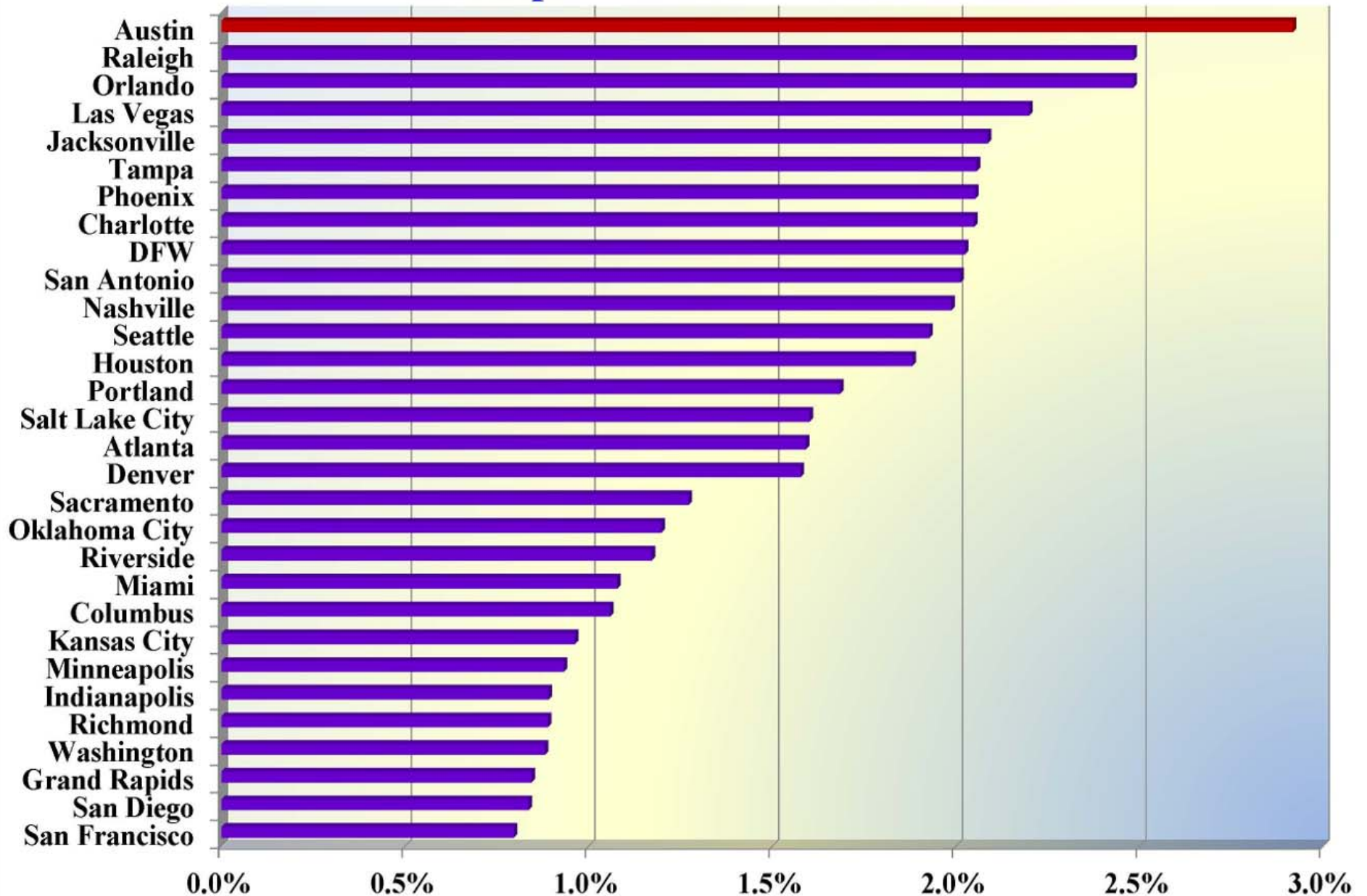
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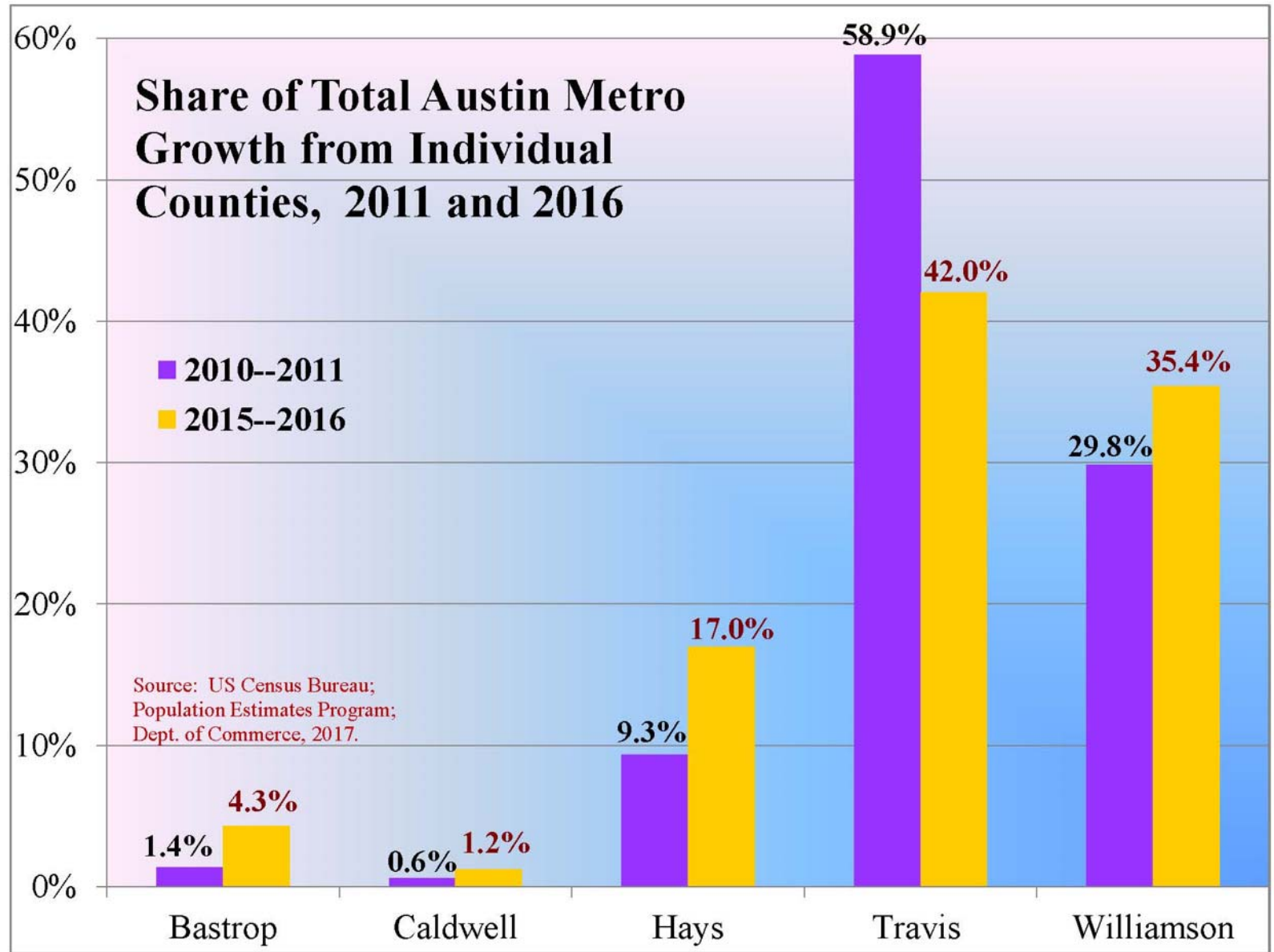
VI. Question and Answer

Top 30 Fastest Growing Large (1.0 million+) Metropolitan Areas: 2015 to 2016





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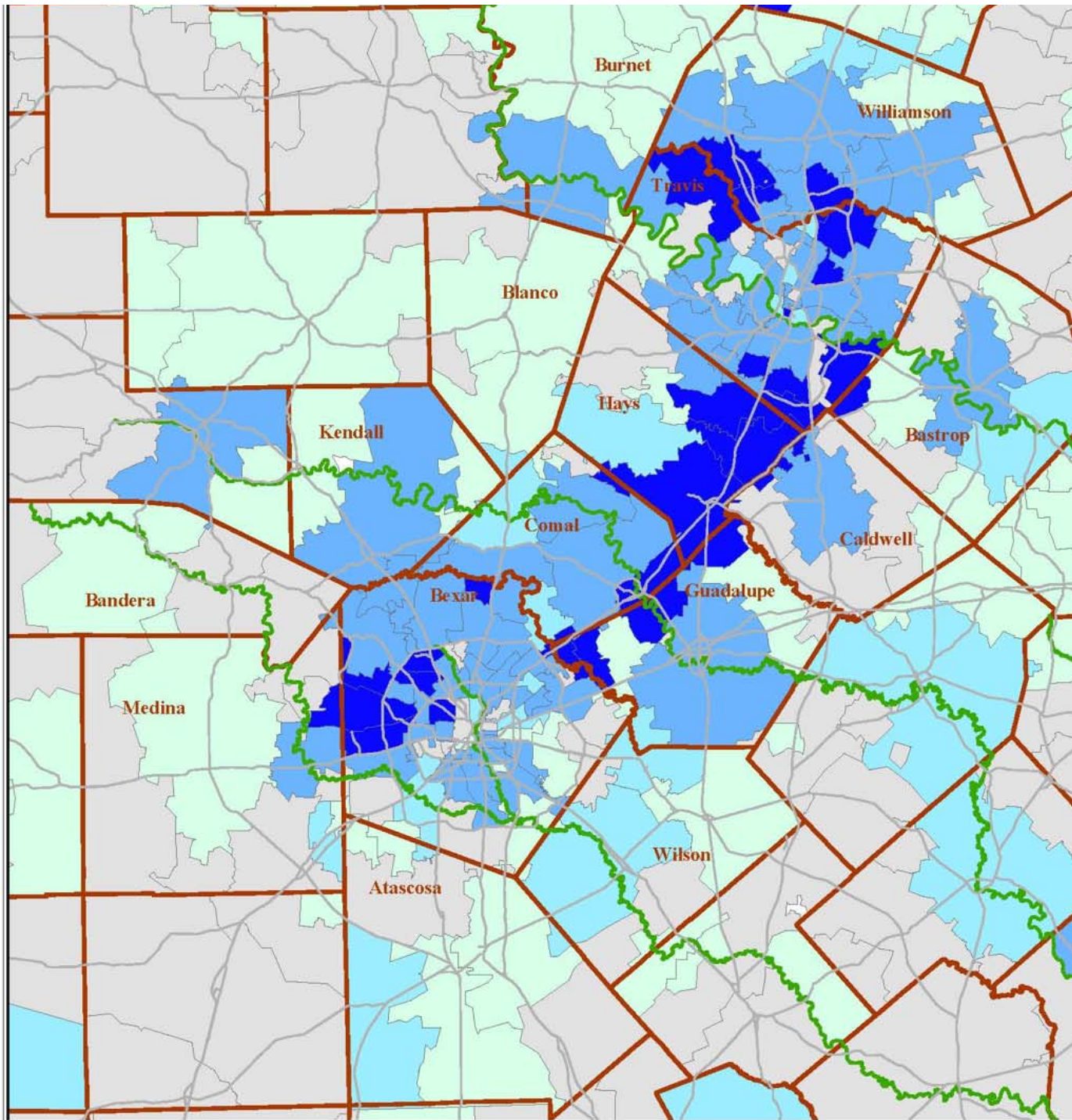
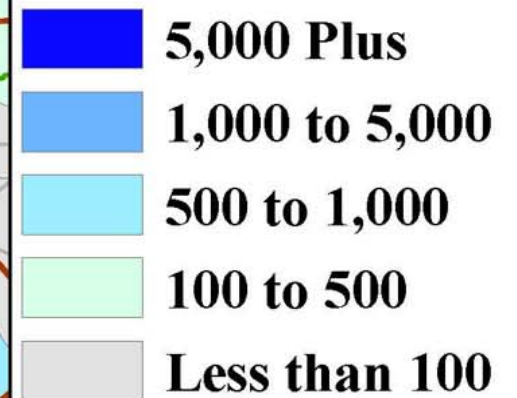


Austin--Round Rock MSA and the San Antonio-- New Braunfels MSA

Metropolitan
Statistical Areas

Population Growth
2010 to 2015
ZIP Codes

Change



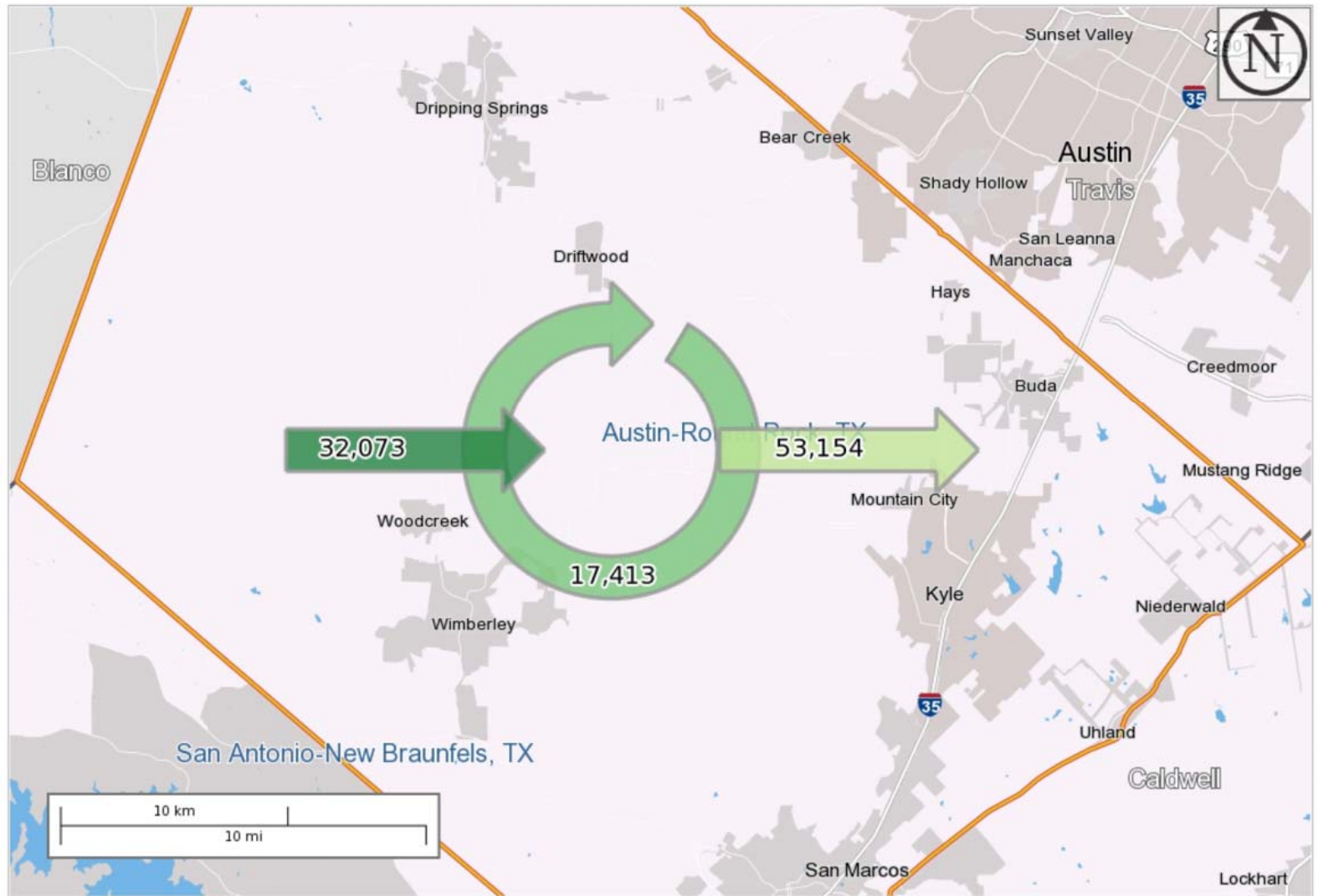
0 5 10 20 30 Miles



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Inflow/Outflow Counts of Primary Jobs for Selection Area in 2014

All Workers





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