

# 21<sup>st</sup> Century Regional Economic Competitiveness: Transportation Infrastructure & Services in the DC Metro Region

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# Apple to build Iowa data center, get \$207.8 million in incentives 3,000 Toyota jobs to move to Texas from Torrance

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By Jonath



Toyota's move from its Torrance facility, above, will occur over the next three years as the new headquarters is built in Plano, Texas.  
(Christina House / For The Times)

By **Jerry Hirsch**

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## In Case You Missed It



**I'm a black daughter of the  
Confederacy, and this is how we  
should deal with all those  
General Lees**

2 days ago on 8/27/2017

# What does “economic development” mean?

# Definitions

Local economic development is the process by which localities enhance the quality of life of their residents and the local tax base by creating new community and business wealth through the creation, expansion, and retention of jobs.

-- IEDC

# Economic Development Definitions

## WHAT:

- Process over time, not an event
- Enhanced quality of life for citizens
- Rising standard of living
- New community and business wealth

# Site Location Factors 2002

#1-Availability of skilled labor

#2-Labor costs

#3-Tax exemptions

#4-State/local incentives

#5-Highway accessibility

#7-Proximity to major markets

#16-Close to suppliers

#20-Availability of unskilled labor

#22-Training programs

#23-Proximity to technical  
university

Source: Area Development Corporate Survey, Dec. 2002

# Site Location Factors

## 2016 Corporate Execs

1. Highway accessibility
2. Availability of skilled labor
3. Labor costs
4. Occupancy/construction costs
5. State/local incentives
6. Corporate tax rate
7. Tax Exemptions
8. Energy avail/costs
9. Proximity to Major Markets
10. Quality of Life

## 2016 Consultants

1. Availability of skilled labor
2. Highway accessibility
3. Labor Costs
- State and Local Incentives
- Proximity to Major Markets
- Available Land
- Tax Exemptions
8. Energy avail/cost
- Proximity to Suppliers
10. Training Programs/Technical Schools



# Classic Tensions in Economic Development

- Equity vs. Efficiency
- People vs. Place



TALENT

## Move Americans to Jobs, Not the Other Way Around

The absurdity of tax incentives to "create jobs" reached new heights last month with Wisconsin's deal to lure iPhone assembler Foxconn Technology Group -- which will reportedly cost taxpayers more than \$100,000 per job.

Bloomberg | Aug 28, 2017



# Smart Growth

- Smart Growth
  - Better way to build and maintain towns and cities
  - Housing and transportation choices near jobs, shops, schools
  - Support local economy while protecting the environment

-- Smart Growth America

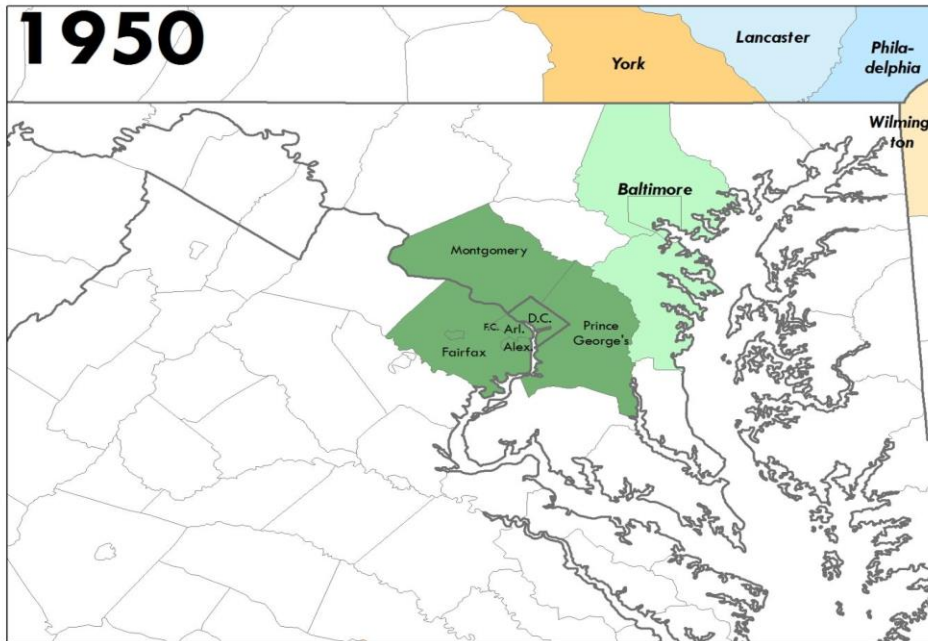
# Smart Growth Features

- Mixed use development
- Range of housing choices
- Walkable neighborhoods
- Distinctive communities/sense of place
- Preserve open space
- Support choices in transportation
- Predictable and fair development decisions

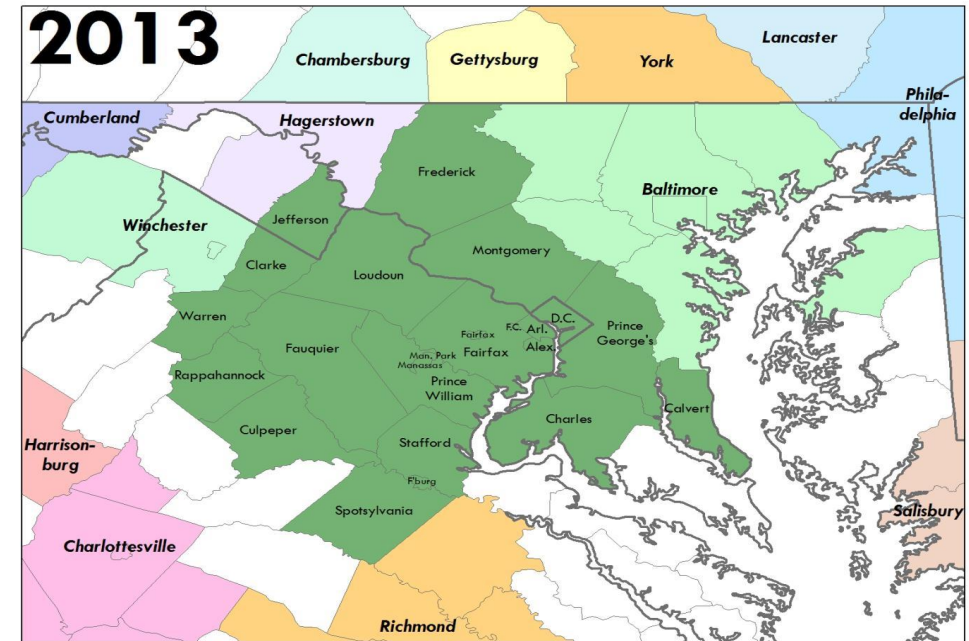
# Role of Transportation Infrastructure & Services

- Support population growth
- Expand urban land use options
  - Catalyst for /enabler of change in urban design
- Improve labor market efficiency
- Boost productivity
- Enhance regional competitiveness

# Population Growth



1950 Population: XXXX



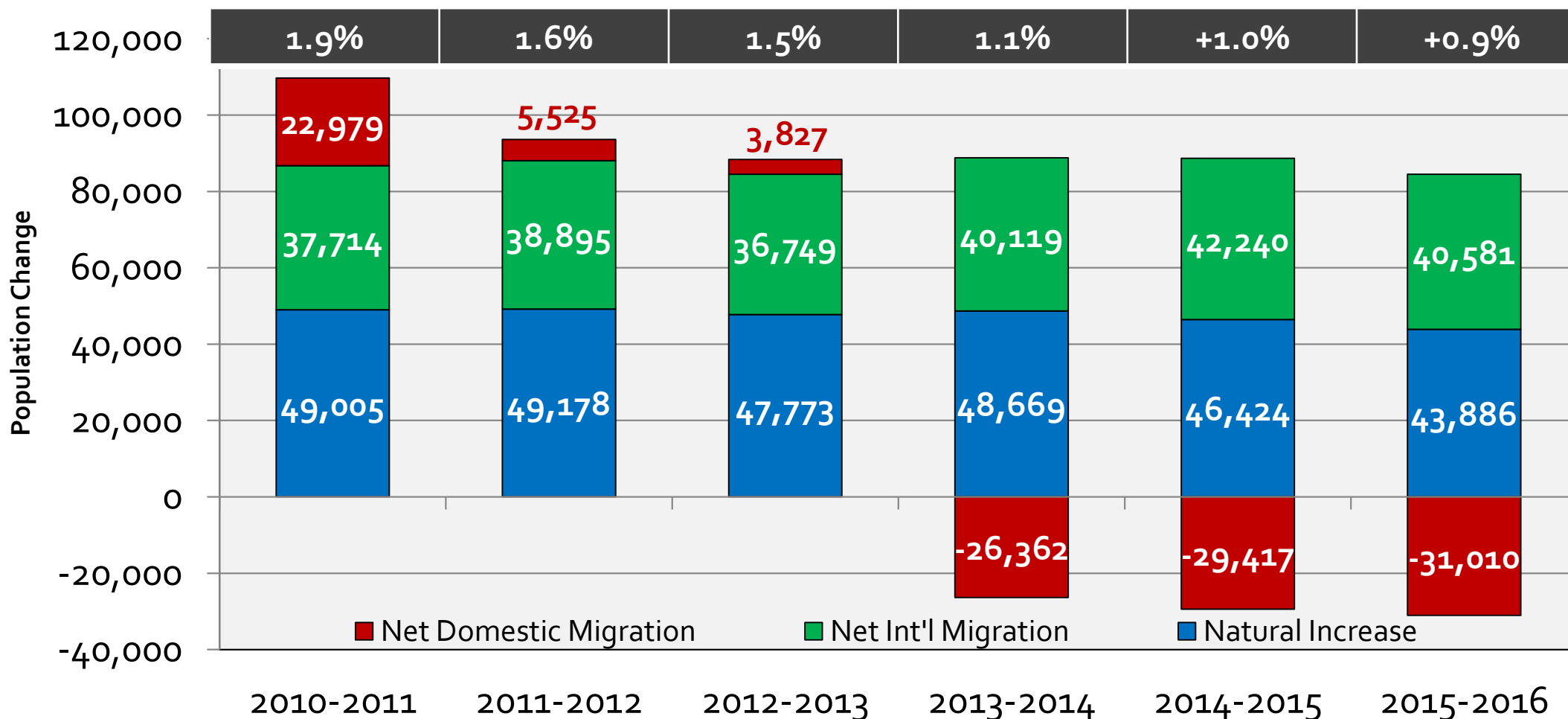
2016 Population: XXXX



# What Don't You See?



# Elements of Population Change Washington MSA





# Clarendon 1990's / Today



Picture Source: Arlington County website



# Clarendon 1990's / Today



Picture Source: Arlington County website



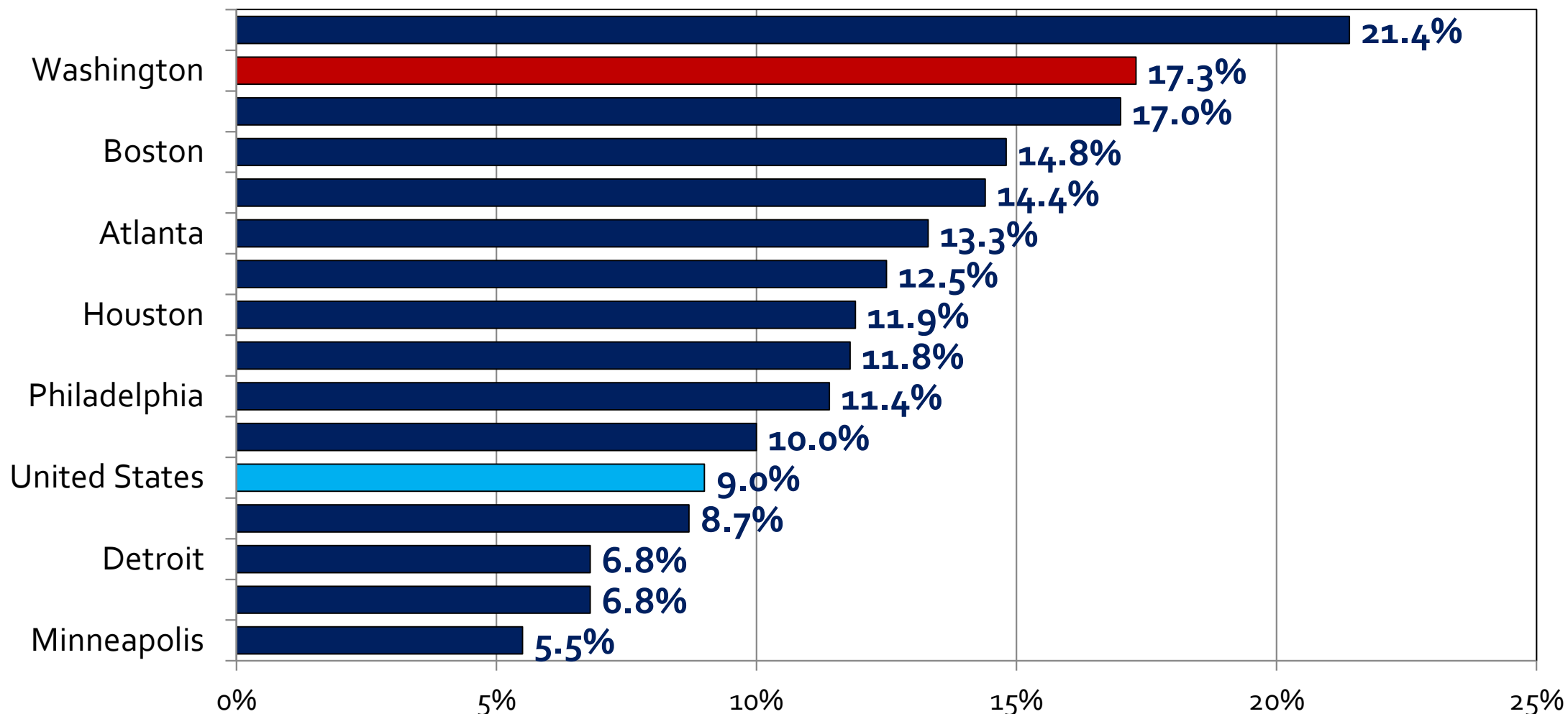
# Labor Market Efficiency

- Rule of Thumb: Effective labor shed represents an average 30 minute commute
- Changing nature of work: The Rise of the 1099 Worker
- Changing jobs:
  - Highly skilled technicians and designers
  - Skilled trades
  - Those adept at mediating artificial intelligence
  - Everybody else



# Long commutes diminish quality of life

Proportion of workers with travel time to work of 60 or more minutes



Source: US Census Bureau. 2016 American Community Survey. Table S0802

# Congestion

Urban Area	Yearly Delay per Auto Commuter		Travel Time Index		Excess Fuel per Auto Commuter		Congestion Cost per Auto Commuter	
	Hours	Rank	Value	Rank	Gallons	Rank	Dollars	Rank
Very Large Average (15 areas)	63		1.32		27		1,433	
Washington DC-VA-MD	82	1	1.34	8	35	1	1,834	1
Los Angeles-Long Beach-Anaheim CA	80	2	1.43	1	25	11	1,711	3
San Francisco-Oakland CA	78	3	1.41	2	33	3	1,675	4
New York-Newark NY-NJ-CT	74	4	1.34	8	35	1	1,739	2
Boston MA-NH-RI	64	6	1.29	17	30	4	1,388	9

Source: 2015 Urban Mobility Scorecard, Texas A&M Transportation Institute



Source: US Census Bureau, 2016 American Community Survey

# Congestion

Average Annual Hours of  
Delay per Auto Commuter



Source: 2015 Urban Mobility Scorecard, Texas A&M Transportation Institute

Annual Cost per Commuter  
for Wasted Time and Fuel



Source: US Census Bureau, 2016 American Community Survey



# Being Competitive

- Moving People
- Moving Things



# Discussion

# Questions?