



# 2011 TPB Geographically-Focused Household Travel Surveys Initial Results

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# Project Background

- Follow-on to 2007-2008 Regional Household Travel Survey that was primarily conducted for the development of the new travel demand model
- Household Travel Survey data collection in specific geographic sub-areas of the region (Case Studies)
- Addresses a need expressed by local planners
- Will provide some current small area community-level socio-economic data that are no longer available from the Decennial Census



# Project Objectives

- Analyze daily travel behavior in communities with different densities, physical characteristics and transportation options
- Assist local planners with current local land use and transportation planning efforts
- Build a household travel survey database that can measure changes in local community travel behavior over a period of time (Before and After comparisons)



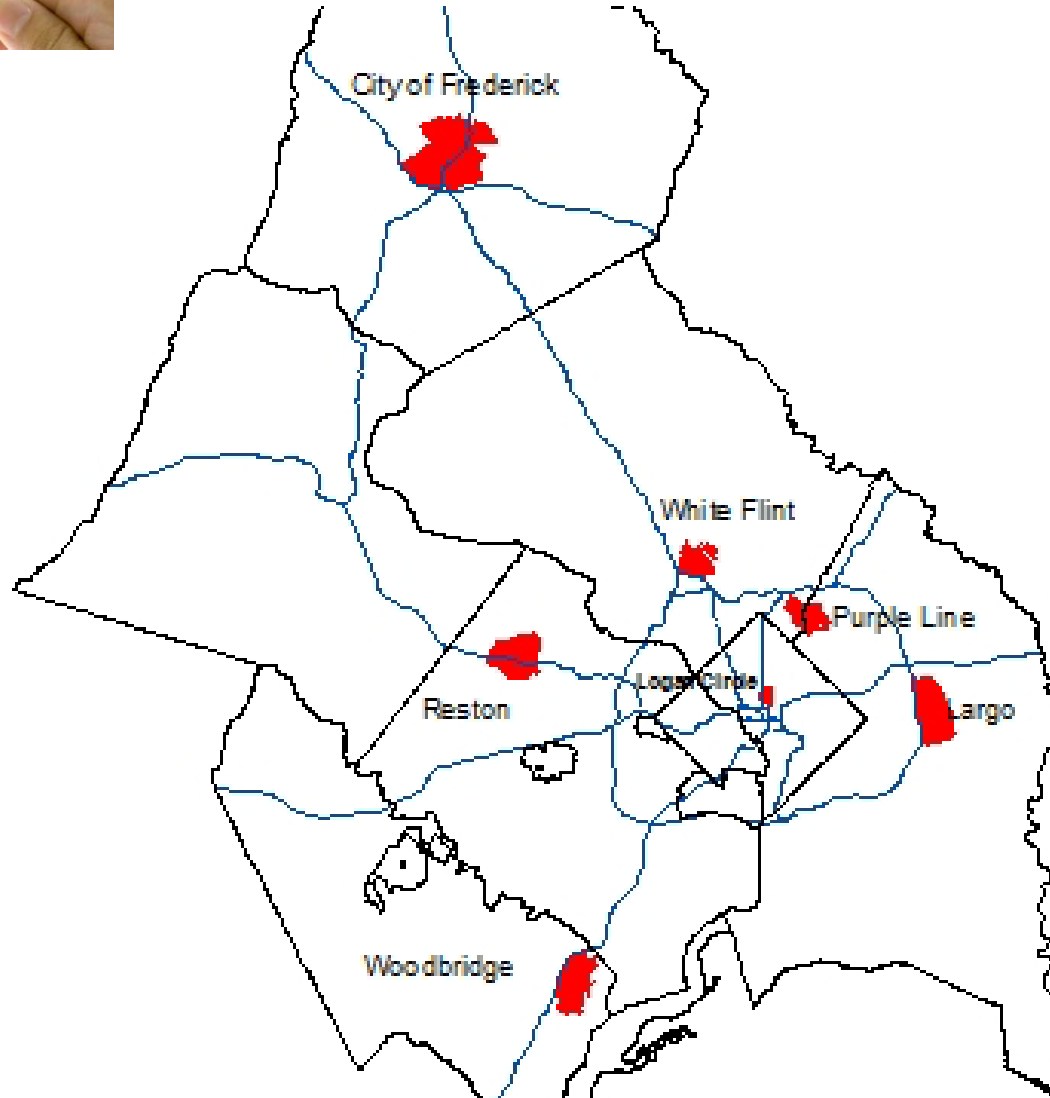
# Fall 2011 Data Collection

The seven areas surveyed in the fall of 2011 are:

- The Logan Circle/14th St NW in the District of Columbia (from Massachusetts Ave NW to north of Florida Ave NW)
- The White Flint area in Montgomery County, Maryland
- The Purple Line International Corridor in Montgomery and Prince George's Counties, Maryland (University Blvd from south of I-495 to Adelphi Rd)
- The Largo area in Prince George's County, Maryland
- The City of Frederick, Maryland
- The Reston area in Fairfax County, Virginia
- The Woodbridge area in Prince William County, Virginia

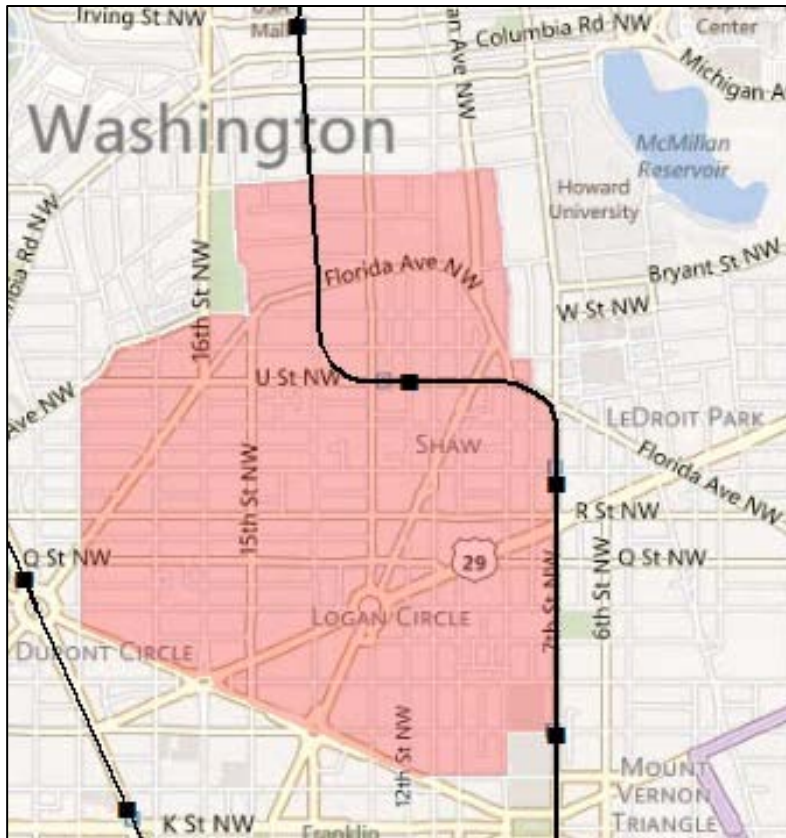


# Fall 2011 Survey Areas





# Logan Circle/ 14<sup>th</sup> St NW



## Notable Features:

85% - Live in an apartment or condo

57% - “Cell Phone Only” households

Median Household Income = \$75,000

More Bicycles than Vehicles per HH

(Av # of Vehicles = 0.65/HH

Av # of Bikes = .82/HH)

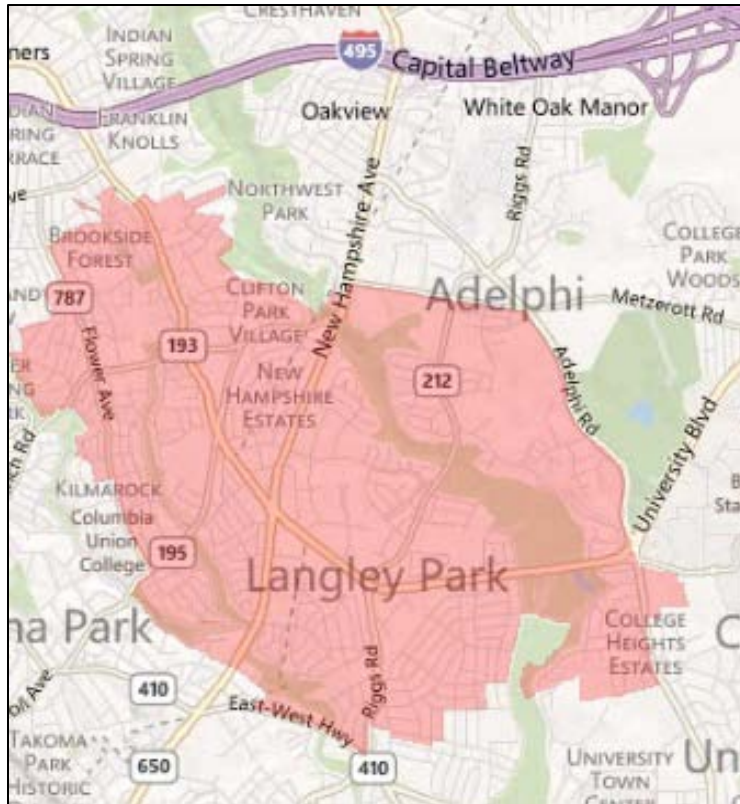
56% of All Daily Trips by Walking v.  
Regional Average of 9%

6% Daily Trips by Bike v. 10 times  
Regional Average of 0.6%

10% Bike to Work compared to a Regional  
average 1%.



# Purple Line / International Corridor – Prince’s George’s and Montgomery Counties



## Notable Features:

45% - Live in an apartment or condo

46% - “Cell Phone Only” households

Median Household Income = \$70,000

Av. HH Size = 2.84 persons/HH

Av # of Vehicles = 1.55/HH

Av # of Bikes = 1.21/HH

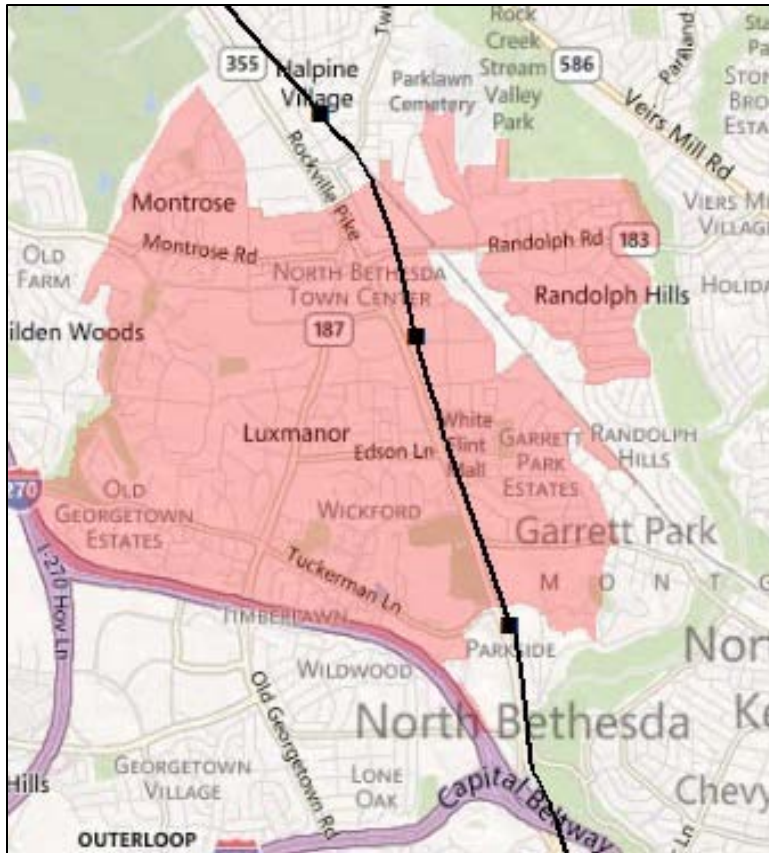
Median Length of Residence = 12 years

23% of Daily Trips by Walking v. Regional Average of 9%

2.4% of Daily Trips by Bike



# White Flint – Montgomery County



## Notable Features:

61% - Live in an apartment or condo

23% - “Cell Phone Only” households

Median Household Income = \$72,500

Av. HH Size = 2.12 persons/HH

Av # of Vehicles = 1.46/HH

Av # of Bikes = 0.86/HH

Median Length of Residence = 12 years

6% Walk to Work v. Twice the Regional Average of 3%

20% Commute to Work by Transit, most of use Metrorail for part of the commute





# Largo/Kettering – Prince George’s County



## Notable Features:

19% - Live in an apartment or condo

12% - “Cell Phone Only” households

Median Household Income = \$75,000

Av. HH Size = 2.42 persons/HH

Av # of Vehicles = 1.93/HH

Av # of Bikes = .76/HH

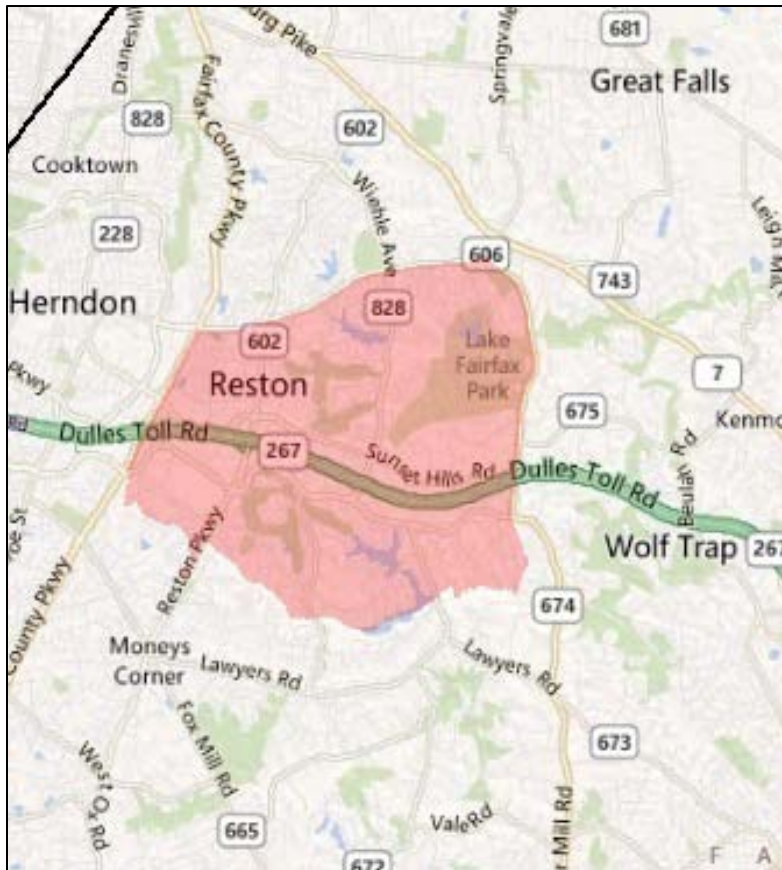
Median Length of Residence = 14 years

Modal Shares close to Regional Average  
for all Modes

New taking place close to Metrorail  
station, future opportunities



# Reston – Fairfax County



## Notable Features:

- 49% - Live in an apartment or condo
- 35% - “Cell Phone Only” households
- Median Household Income = \$106,000
- Av. HH Size = 2.10 persons/HH
- Av # of Vehicles = 1.73/HH
- Av # of Bikes = .93/HH
- Median Length of Residence = 11 years

14% of Daily Trips by Walking compared to the Regional Average of 9%

17% Carpool to Work



# Woodbridge – Prince William County

## Notable Features:

34% - Live in an apartment or condo

33% - “Cell Phone Only” households

Median Household Income = \$65,500

Av. HH Size = 2.79 persons/HH

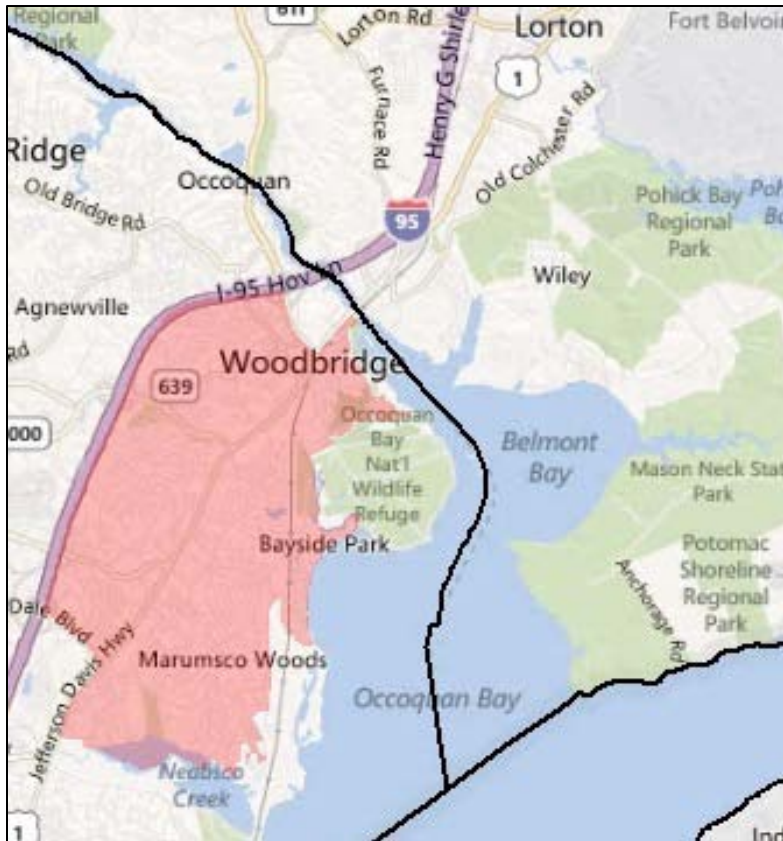
Av # of Vehicles = 1.84/HH

Av # of Bikes = 0.86/HH

Median Length of Residence = 9 years

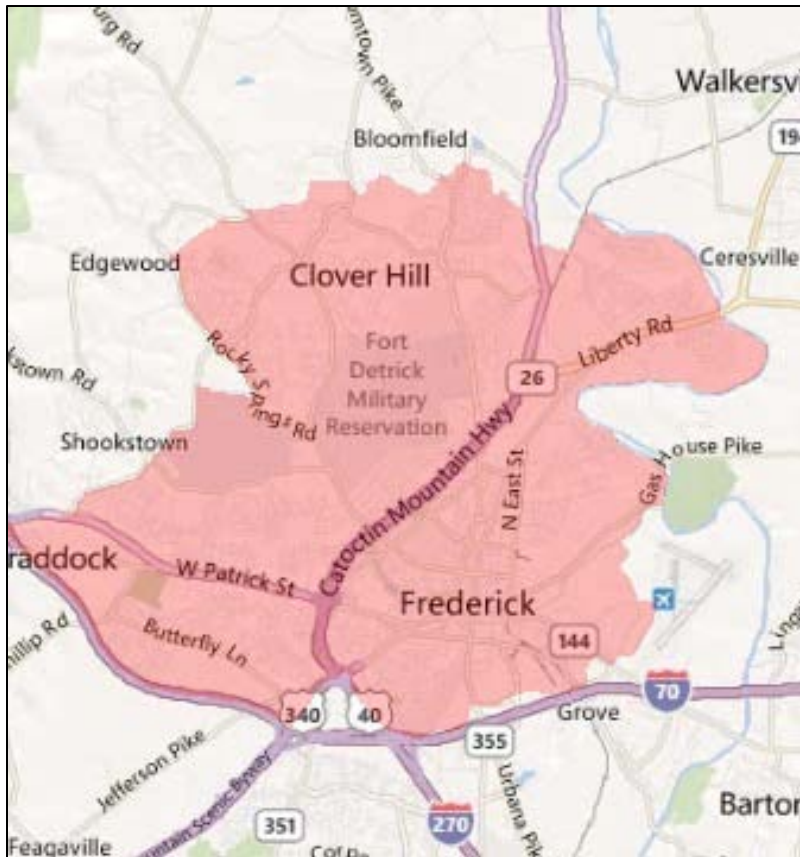
40% of Daily Trips in Multi-Occupant Vehicle

13% Carpool to Work





# City of Frederick, Maryland



## Notable Features:

28% - Live in an apartment or condo

35% - “Cell Phone Only” households

Median Household Income = \$72,500

Av. HH Size = 2.38 persons/HH

Av # of Vehicles = 1.78/HH

Av # of Bikes = 1.22/HH

Median Length of Residence = 12 years

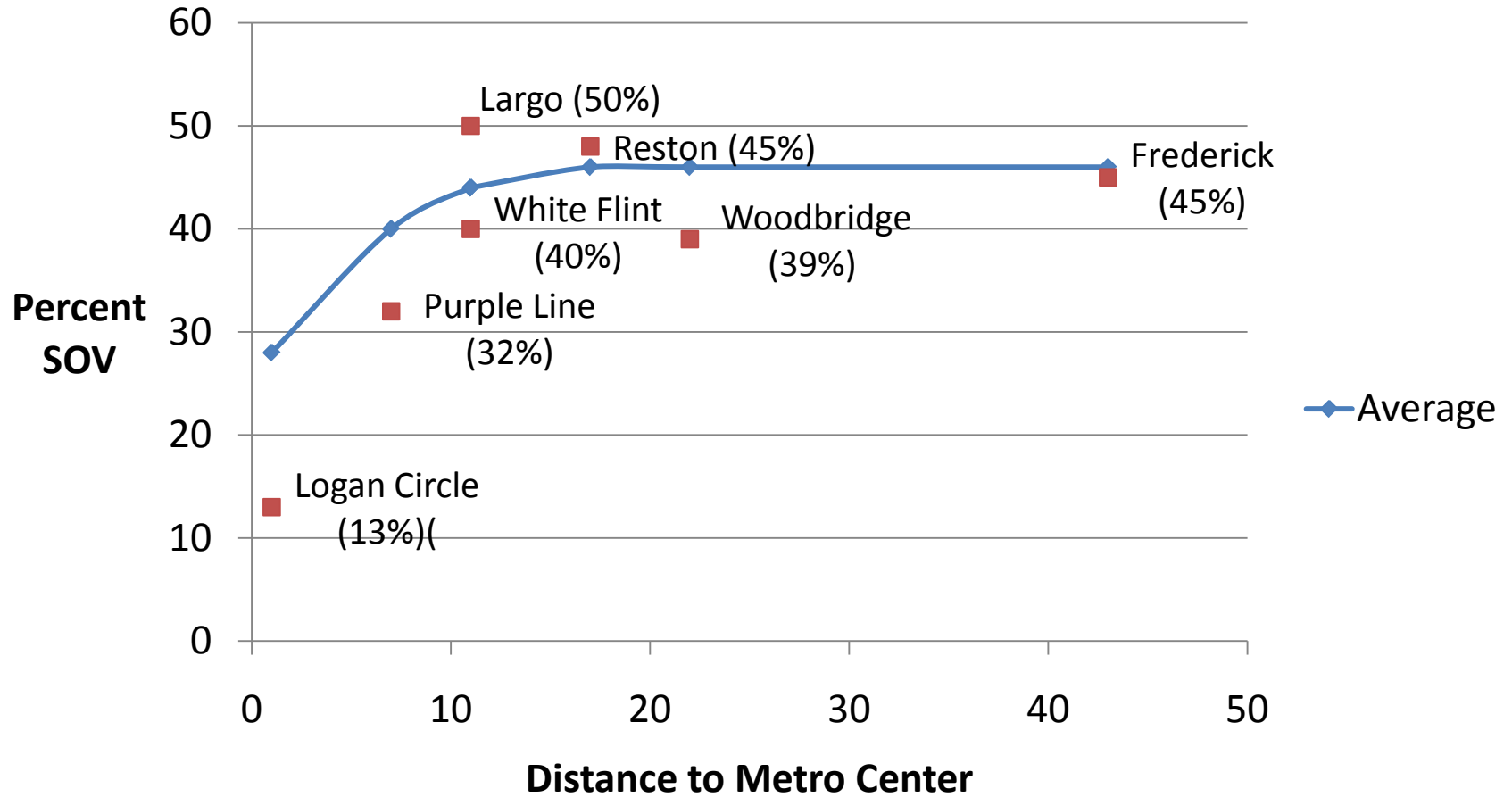
11% of Daily Trips by Walking

1.5% Bike to Work

12% Carpool to Work v. a Regional Average of 8%

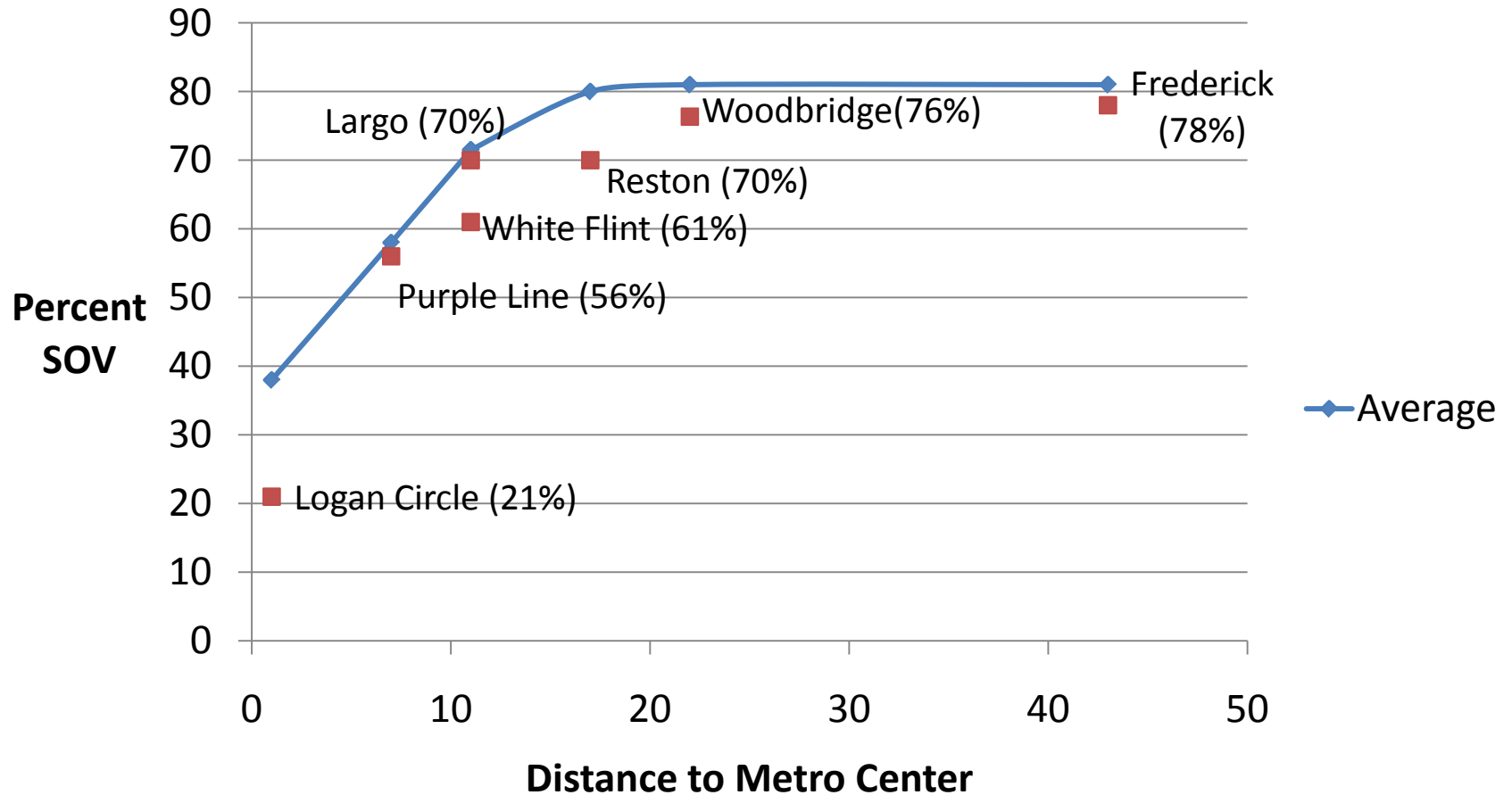


# Percent SOV – All Weekday Trips



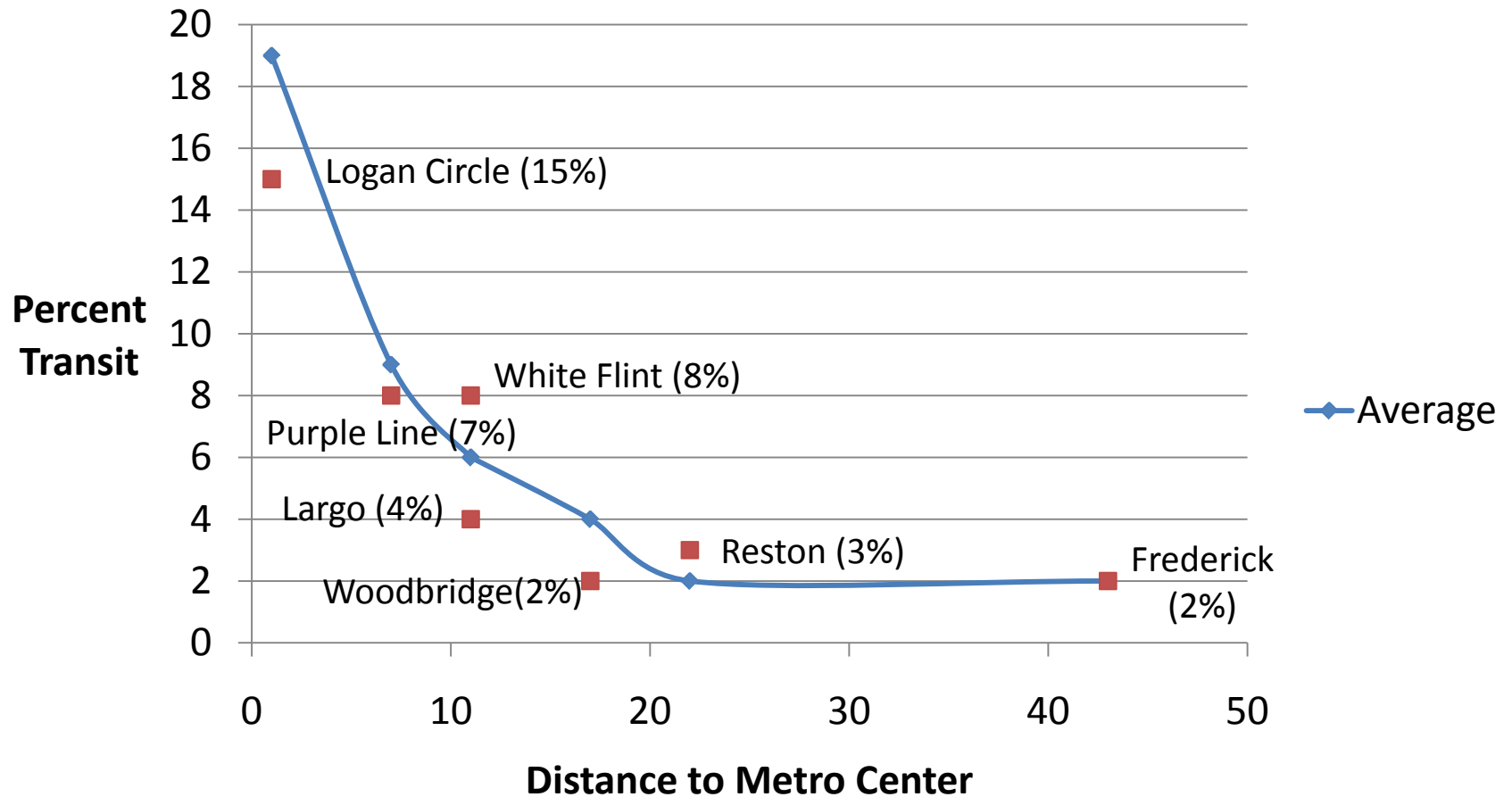


# Percent SOV – Commuting Trips



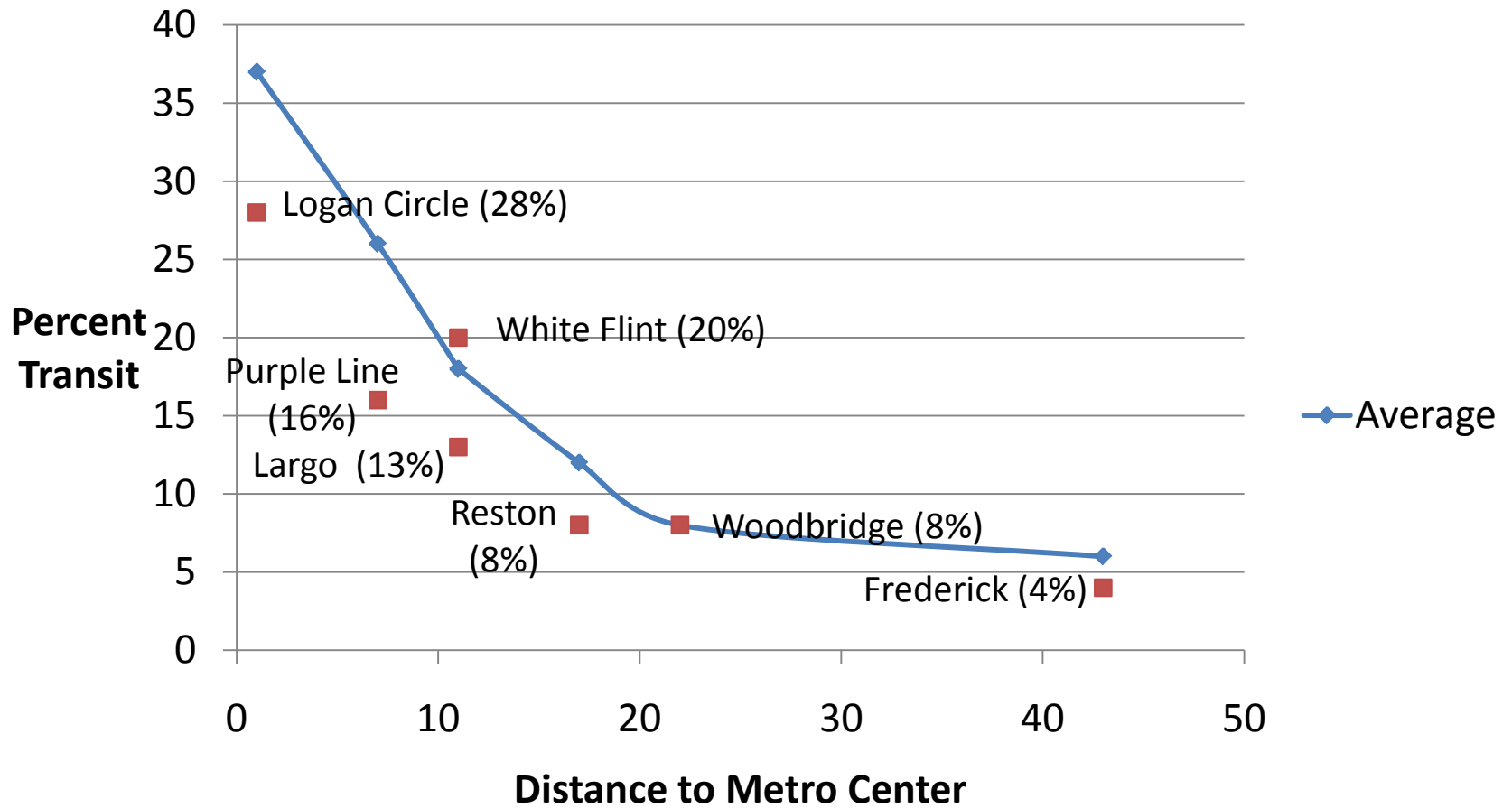


# Percent Transit – All Weekday Trips





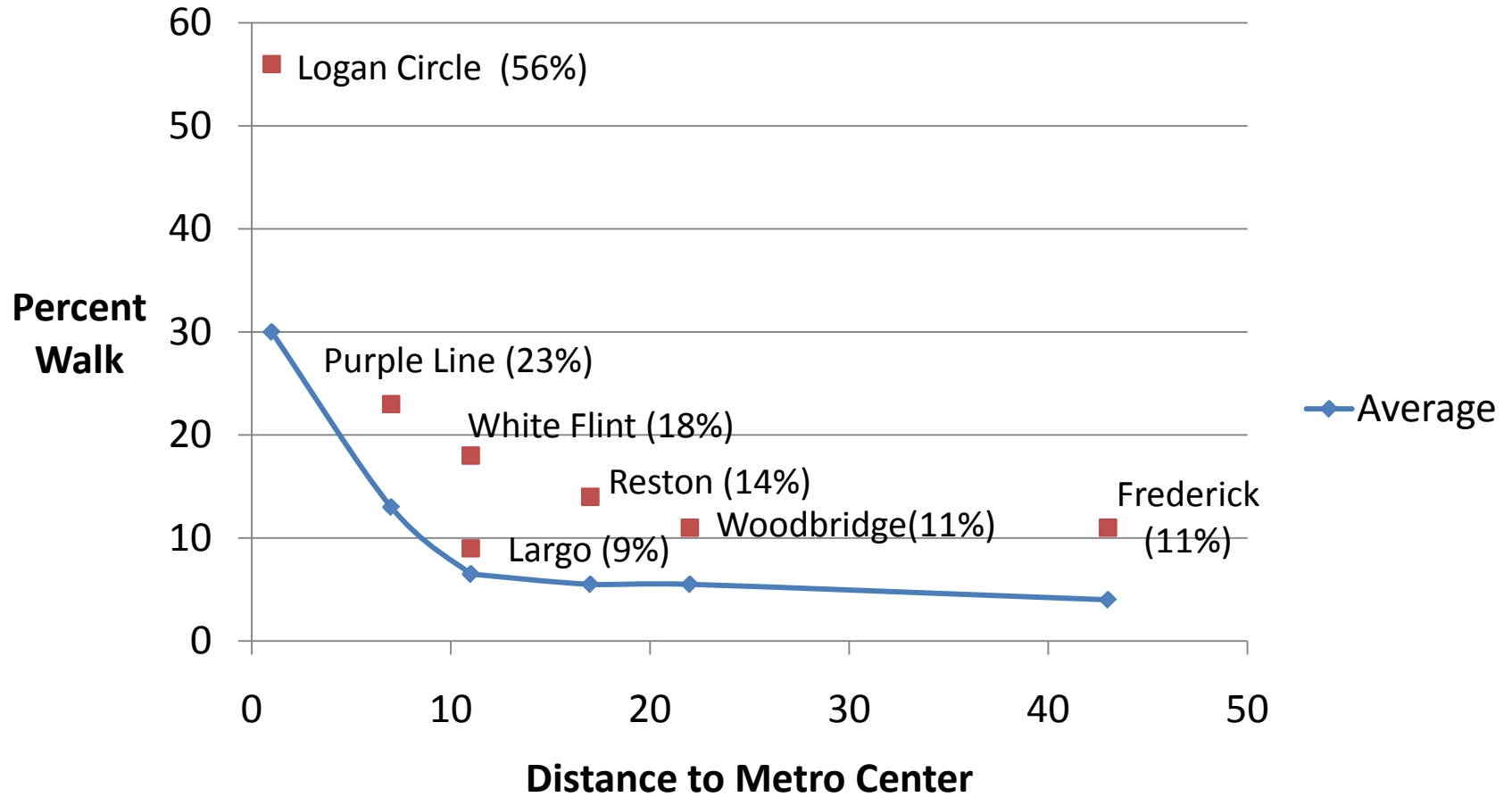
# Percent Transit – Commuting Trips





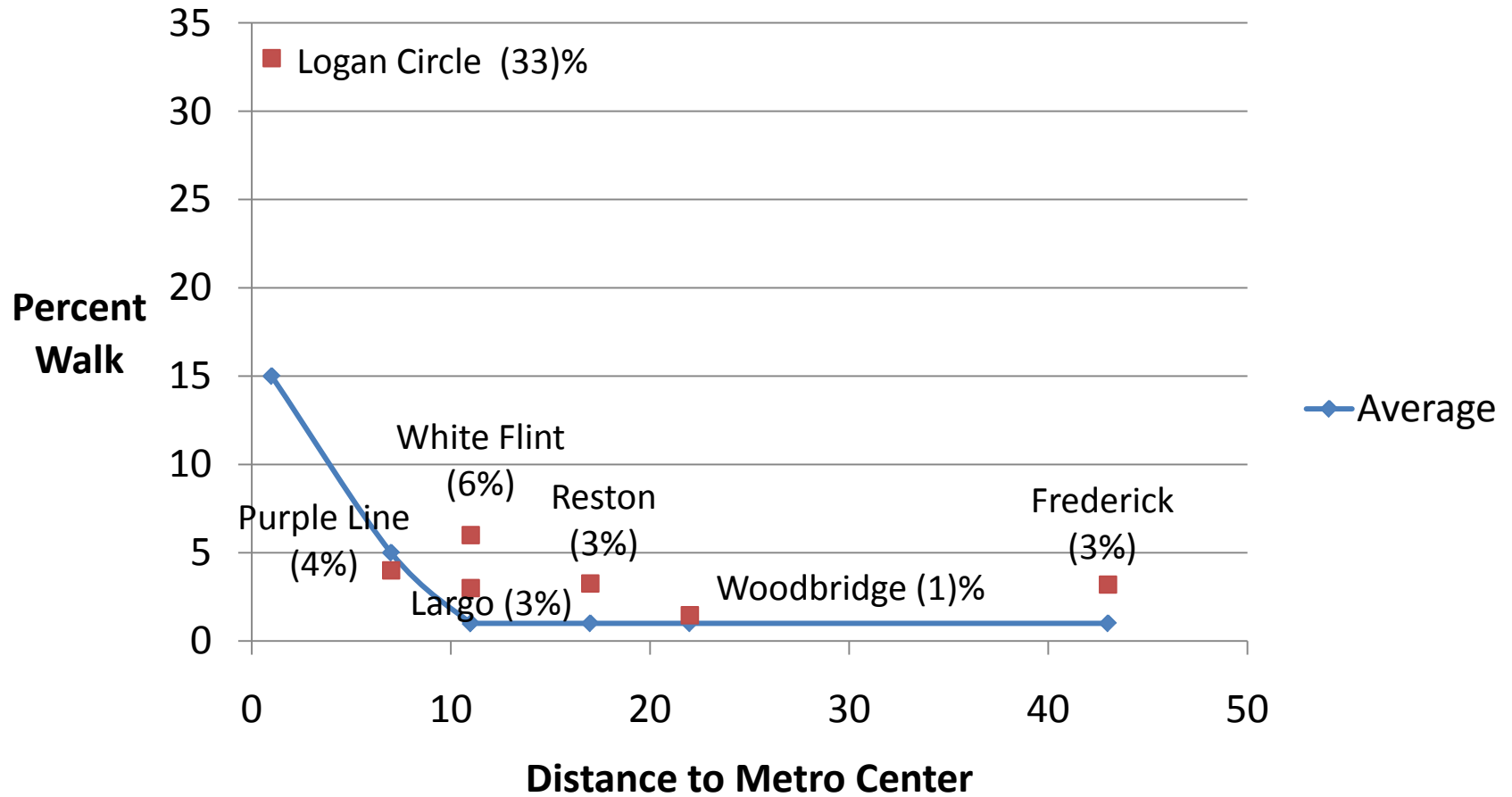


# Percent Walk – All Weekday Trips





# Percent Walk – Commuting Trips





## What's Next?

- More Analysis of Survey Data
- Use/Non-Use of Transit Analysis
- Follow-on to CNT Housing and Transportation Study
- Technical Report in June
- Additional Data Collection



# HTS-Based Update & Follow-On to Housing and Transportation Cost Study

- The design of the geographically-focused household travel lends it self to an ideal follow-on to the CNT Housing and Transportation Cost Study.
- Housing cost data can be assembled and appended to the HTS transportation data for the households in the HTS sample areas.
- This would be a disaggregate-level analysis to complement CNT's aggregate analysis that used Census data.
- This follow-on could provide useful, specific community level comparisons between different geographic areas in the region.



# Spring 2012 Data Collection

The seven areas to be surveyed in the spring of 2012 are:

- Friendship Heights in the District of Columbia and Montgomery County, Maryland
- New York Avenue Corridor in the District of Columbia
- St. Charles Urbanized Area in Charles County, Maryland
- National Harbor in Prince George's County, Maryland
- Beauregard Corridor in the City of Alexandria, Virginia
- East Falls Church and West Falls Church Metrorail Station areas in Arlington County, the City of Falls Church and Fairfax County, Virginia
- The Dulles North Area in Loudoun County, Virginia



# Fall 2012 Data Collection

The six areas to be surveyed in the fall of 2012 are:

- Federal Center/Southwest/Navy Yard in District of Columbia
- H Street NE Corridor in the District of Columbia
- Silver Spring in Montgomery County, Maryland
- US 1/Green Line in Prince George's County, Maryland
- City of Fairfax in Virginia
- City of Manassas in Virginia

(areas subject to further review and refinement)