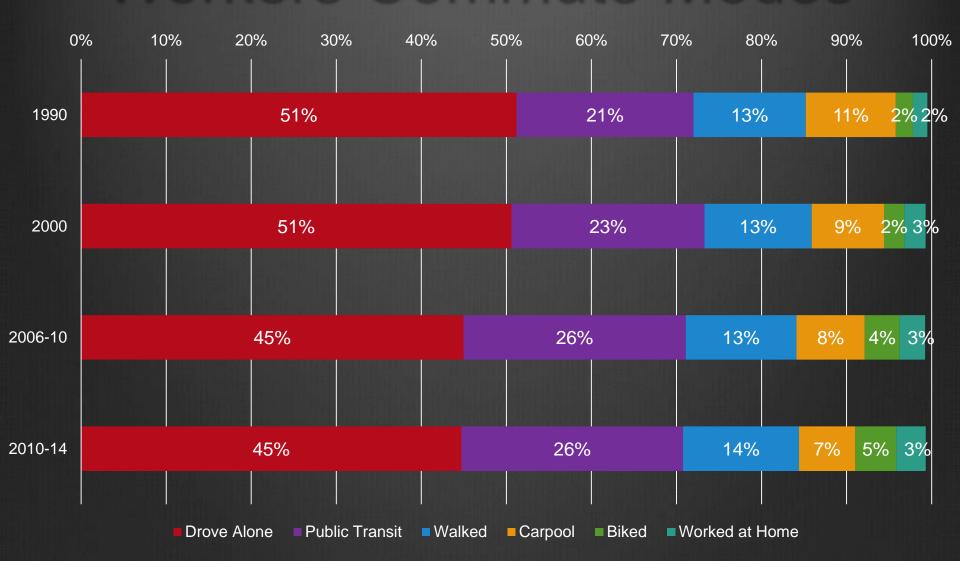
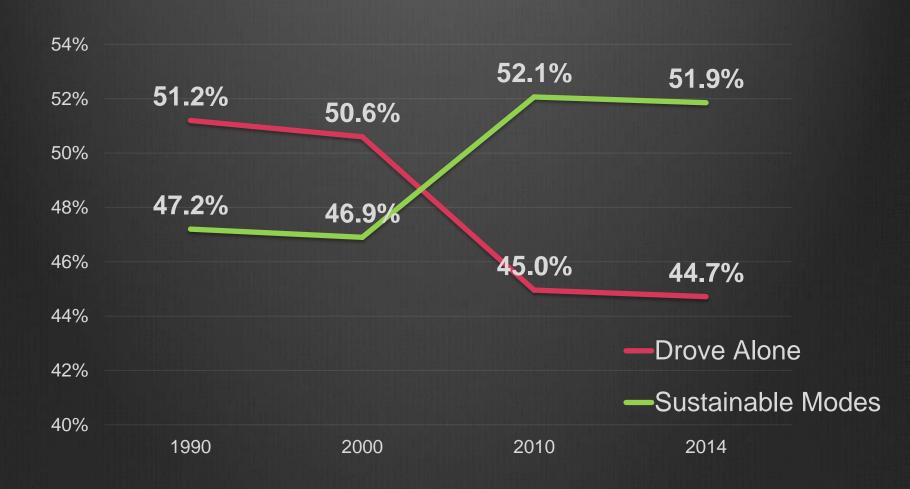


Workers Commute Modes



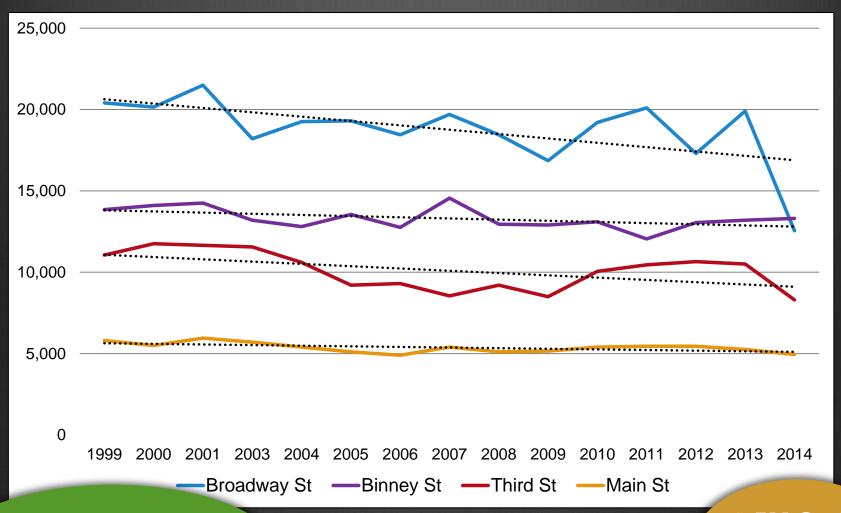
Source: Census 1990, 2000; ACS 2006-2010, 2010-2014

Commute to Work Trend



Source: Census 1990, 2000; ACS 2006-2010, 2010-2014

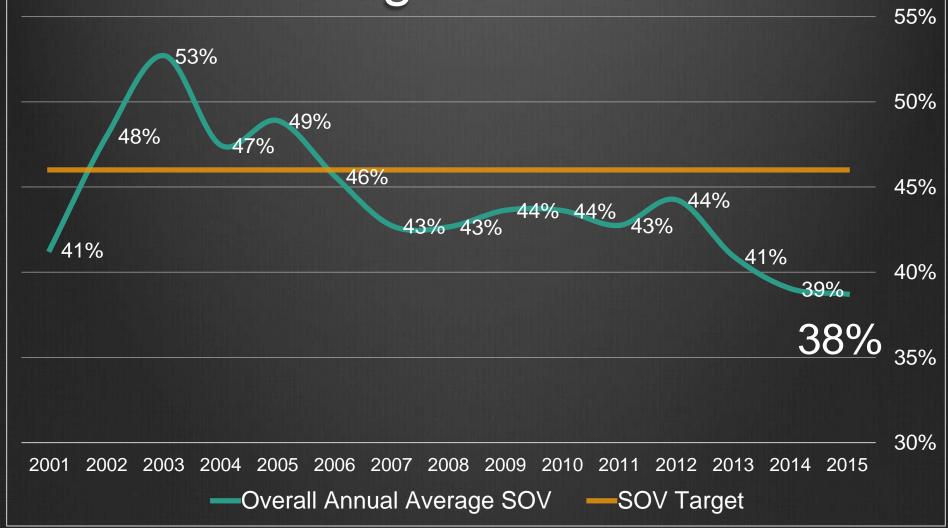
Kendall Traffic Counts



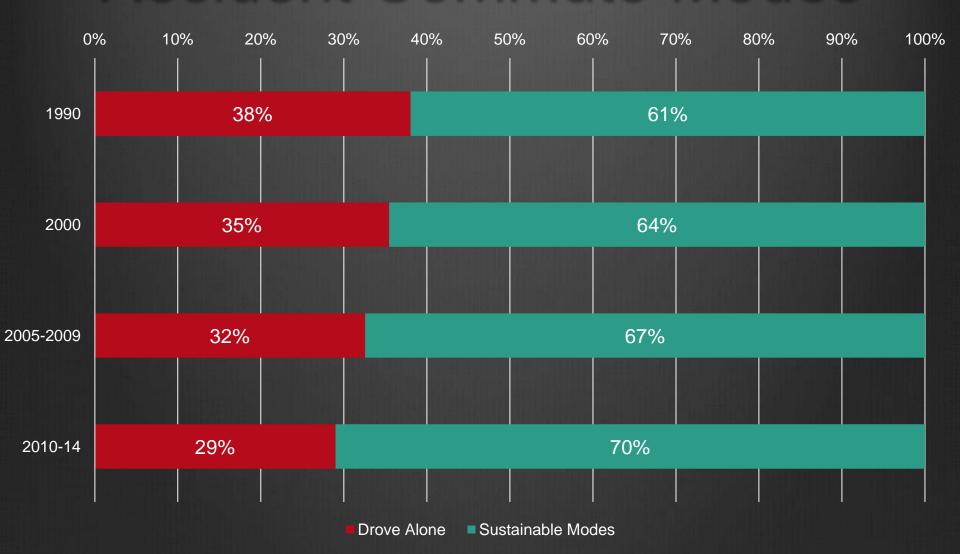
5% increase in residents 6% increase in employees 6.5M Sq Ft added

2001-2014

PTDM: Reported SOV Rate vs Average SOV Goal

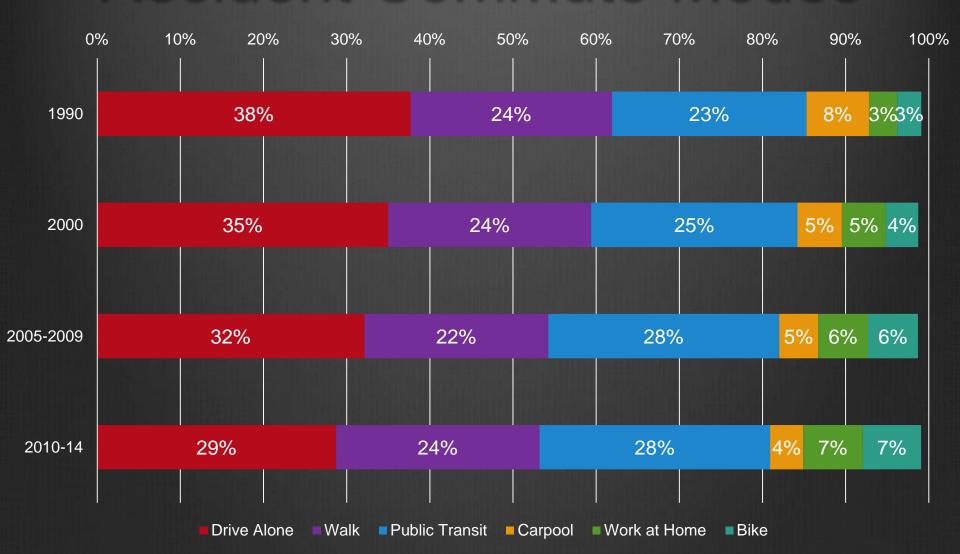


Resident Commute Modes



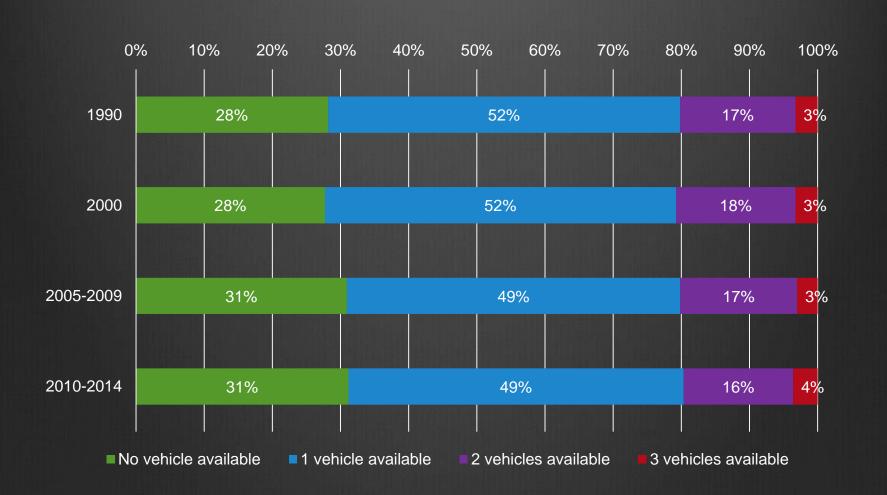
Source: Census 1990, 2000; ACS 2005-2009, 2010-2014

Resident Commute Modes



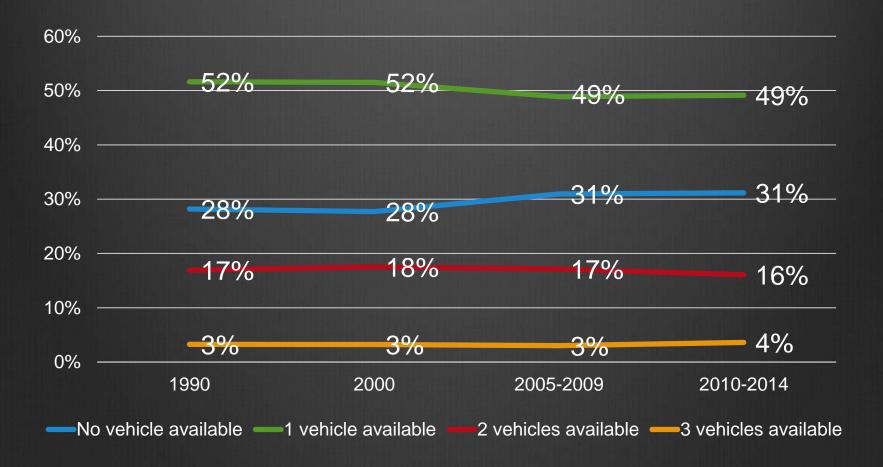
Source: Census 1990, 2000; ACS 2005-2009, 2010-2014

% Zero-Vehicle Households Increased

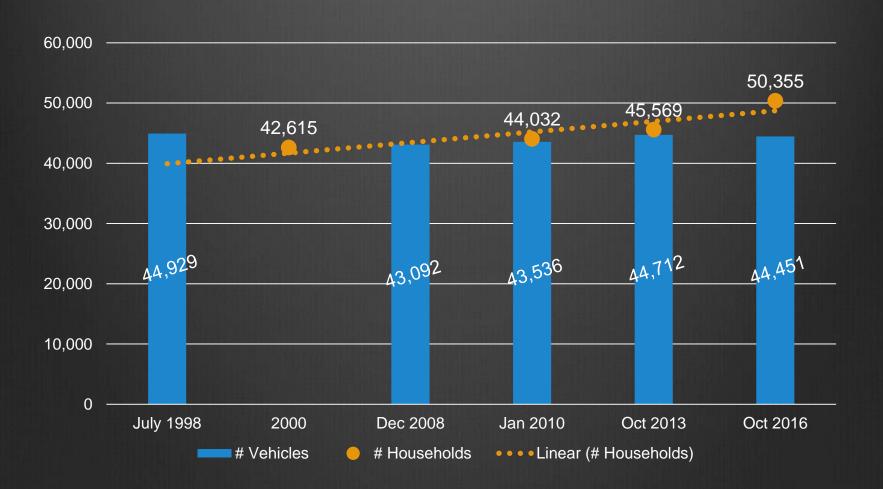


Source: Census 1990, 2000; ACS 2005-2009, 2010-2014

% Zero-Vehicle Households Increased



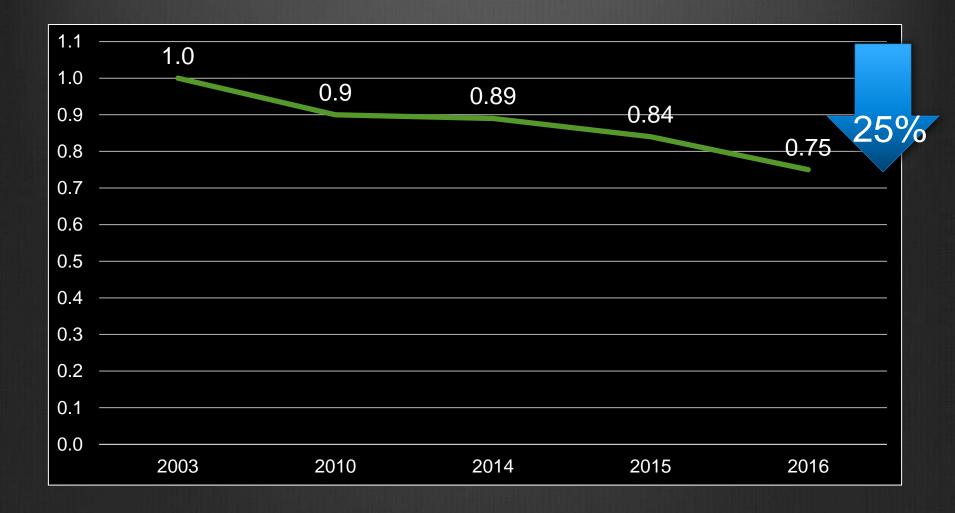
of Registered Vehicles and # of Households



Parking permits (citywide)



of Parking Permits per Household



Bicycle Counts

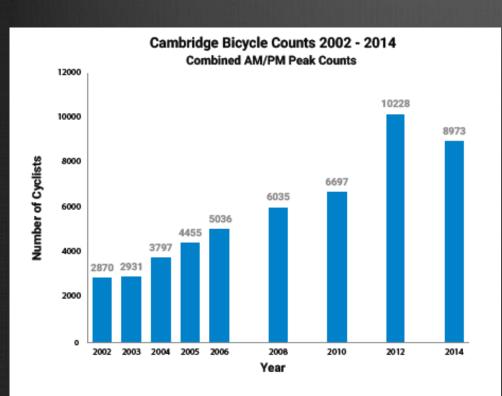


Figure 3.8: Cambridge Bicycle Count Chart, 2002-2014, Combined AM and PM Peak Counts

Impact of Construction on Bicycle Traffic

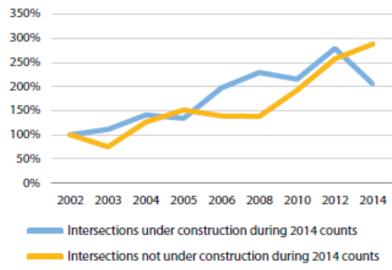


Figure 3.9: Net change in volumes at intersections with and without construction during 2014 counts.

Western Avenue Infrastructure Improvements

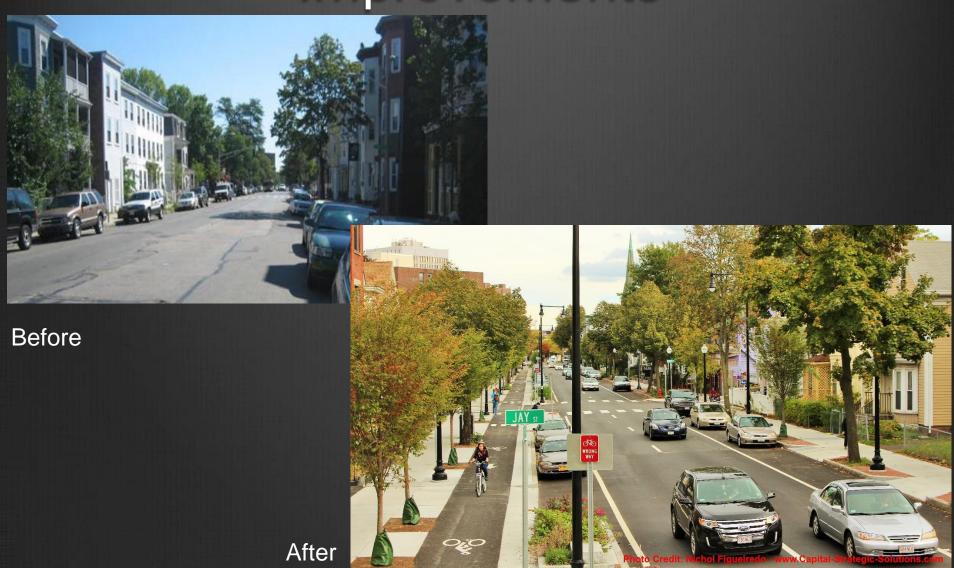
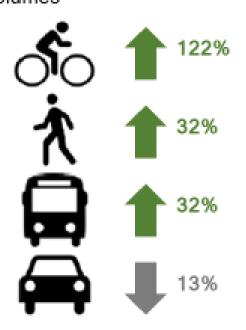




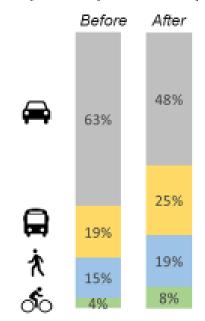
Photo credits: Nichol Figueiredo (Capital Strategic Solutions)

Western Ave Post-Construction Volumes

Percent change in PM peak weekday hourly volumes

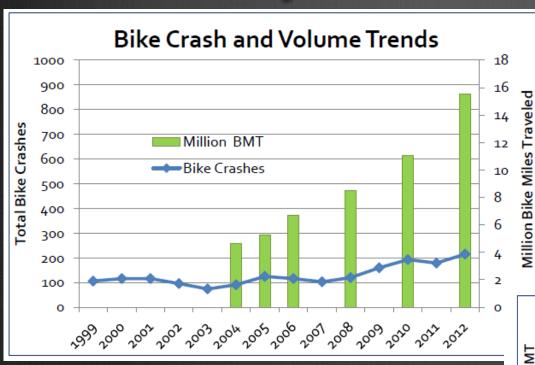


Percent of total weekday PM peak users (Western Ave at Howard or b/n Howard and Kinnaird) by mode before (2007/9) and after (2015/6) construction





Bicycle Crash Rates



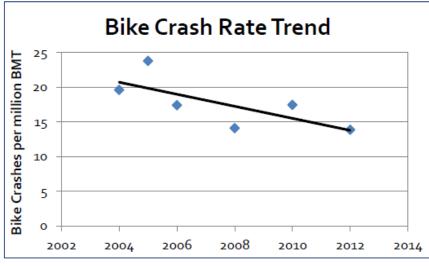
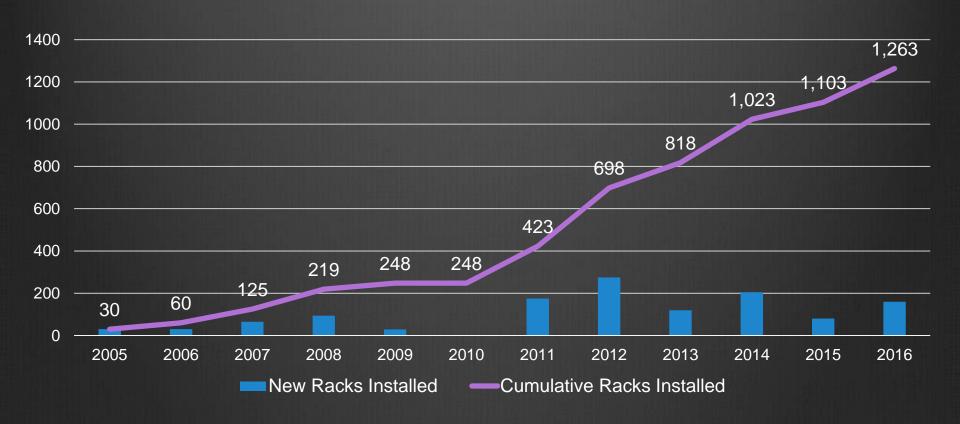


Figure 1 Bicycle Count and Crash Trends

of Bike Racks Installed on Public Property



Mt. Auburn St Transit Volumes

Person Throughput Analysis (AM Peak)



Buses: 925 persons / hour Vehicles: 1,200 persons / hour

Buses carry 43% of people in 2% of vehicles



Buses: 985 persons / hour Vehicles: 765 persons / hour

Buses carry 56% of people in 3% of vehicles

How many vehicles fit?

People traveling through Central Square toward Harvard Square Afternoon rush hour

400

1,345

400* people in 355 cars

How many people?

10w much space?

850+ people walking

360 people on 14 buses 135+ people on 135 bikes

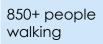




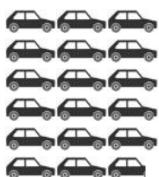




400* people in 355 cars



360 people on 14 buses 135+ people on 135 bikes







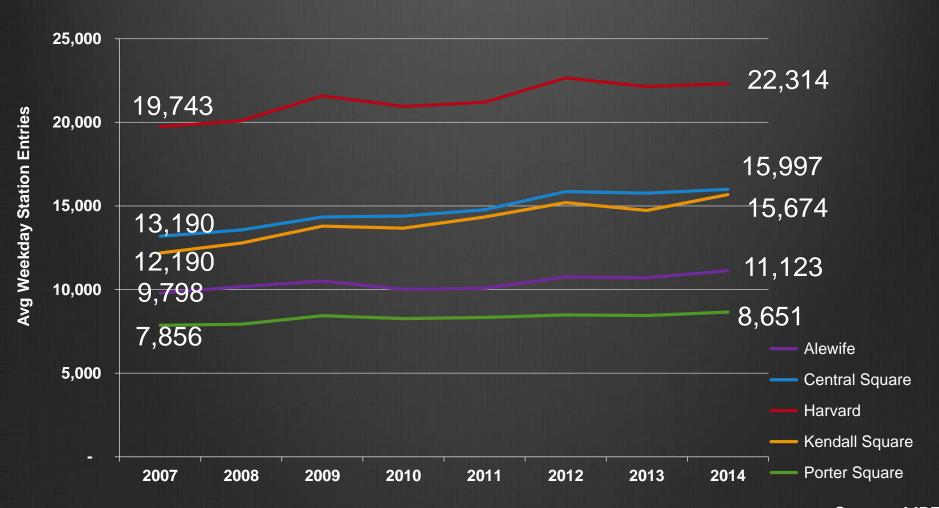


represents 20 people/bikes/cars /buses

Each icon

*using work-related occupancy of 1.13 (http://nhts.ornl.gov/2009/pub/stt.pdf)

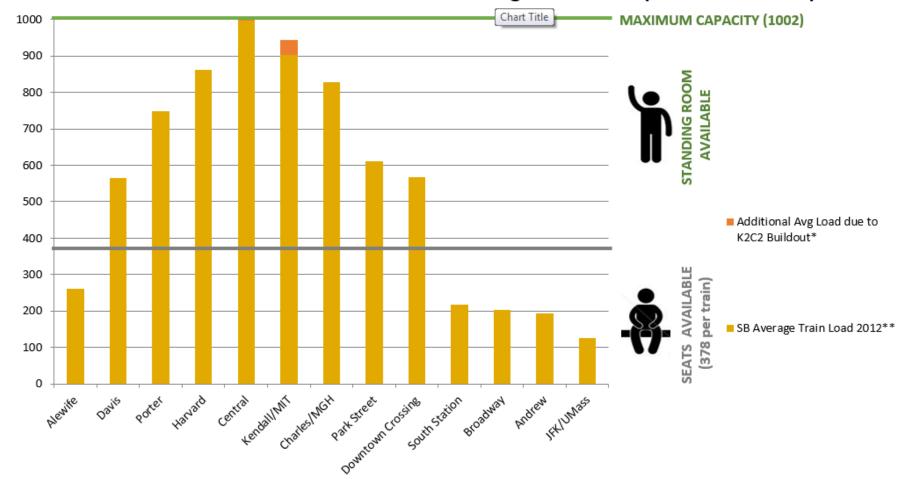
MBTA Weekday Station Entries



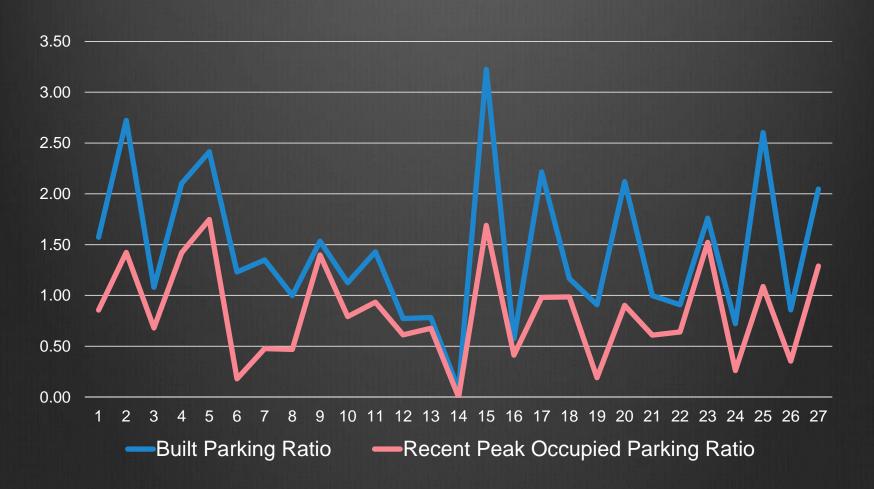
Source: MBTA

Estimated 2012 SB AM Peak Avg Train Load (Peak 15 mins)

Estimated 2012 southbound AM Peak Average Train Load (Peak 15 minutes)



Built vs. Occupied Parking Ratio



COMMUTE WORK HOUSING

It's Amazing How Many More Commuters Would Drive Less if They Didn't Get Free Parking

The lure of the space overwhelms almost all other commuter benefits.

ERIC JAFFE | W @e_jaffe | Aug 1, 2014 | P 294 Comments



STAIRS TO CARAGE









Mode Choice and free Car Parking, Public Transportation Benefits, Showers from the Machineran re Danien r more chaice and Free Car Parking, Public Transportation Benefits, Showers!

Lockers, and Bike Parking at Work: Evidence from the Washington, DC Region Commuter Mode Choice and Free Car Parking, Public Transportation Benefits, Showers Lockers, and Bik Parking at Work: Evidence from the Washington, DC Region Andrea Hamre and Ralph Buehler

Abstract

Municipalities and employers in the U.S. attempt to reduce com nunicipalities and employers in the U.S. attempt to reauce combine through commuter benefits for riding public transportation.

Manus manufactures magnified as constitutional and for the second seco one through commuter benefits for rights a combination of benefits, often incl

Many employers provide a combination of benefits, often incl

Many employers for an latir a process against the combined of th Many employers provide a combination of benefits, often incl alongside benefits for public transportation, walking, and c. alongside benefits for public transportation, waiking, and co to work using revealed preference data on 4,630 regular coning to work using revealed preference public transportation benefits, showed mation about free car parking, public transportation. Multinomial land mation about free car parking, public transportation. Dr veoian Multinomial land bike parking at work in the Wachington. mation about free car parking public transportation benefits, show.

Committee the parking at work in the Washington, DC region. Multinomial logistic regulation of more driving to make the parking at work in the washington. ates the relationship between commuter benefits and most to work using revealed preference data on 4,630 regular commuter to work using revealed preference mushic transcription homofits. bike parking at work in the Washington, DC region. Multinomial logistic regularity commuters to the Washington, DC region. Multinomial logistic regularity commuters commuters work is related to more driving. Commuters but no more driving to the work in the Washington, DC region. Multinomial logistic regularity commuters at work is related to more driving. Lot of the work in the Washington, DC region. Multinomial logistic regularity commuters at work in the Washington, DC region. Multinomial logistic regularity commuters at work in the Washington, DC region. Multinomial logistic regularity commuters at work in the Washington, DC region. 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Our more driving to more driving. offered either public transportation benefits, showers lockers, or bike parking, but no fered either public transportation benefits, showers lockers, or bike parking, or cycle to a fered either public transportation. walking and cueling free car parking, are more likely to either ride public transportation. walking and cueling free car parking are more likely to either ride public transportation. walking and cueling free car parking. free car parking, are more likely to either ride public transportation, walk, or cycle to work. The joint provision of benefits for public transportation, of these modes and a work. The joint provision of benefits for public transportation, is related to an increased likelihood to commute by all three of these modes and is related to an increased likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes and a second likelihood to commute by all three of these modes are the second likelihood to commute by all three of these modes are the second likelihood to commute by all three of these modes are the second likelihood to commute by all three of these modes are the second likelihood to commute by all three of the second likelihood to commute by all three of these modes are the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood to commute by all three of the second likelihood likelihood likelihood likelihood likelihood likelihood likelihood work. The joint provision of benefits for public transportation, walking, and cycling a work. The joint provision of benefits for public transportation, walking, and cycling a work. The joint provision of benefits for public transportation, walking, and cycling work. The joint provision of benefits free car parking in benefit is related to an increased likelihood of driving. However, the inclusion of free car parking in benefit decreased likelihood of driving. is related to an increased likelihood to commute by all three of these modes and a commute by all three car parking in benefit the commute by all three car parking in benefit is related to an increased likelihood to commute by all three car parking in benefits to commute by all three car parking in benefits to commute by all three car parking in benefits for public transportation, walking, and cycling, seems to decrease a likelihood of driving. decreased likelihood of driving. However, the inclusion of free car parking in benefit to decreased likelihood of driving. However, the inclusion of free car parking in benefit to decrease discussions and cycling, seems to decrease discussions and cycling.

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Reward and punishment act as distinct factors in guiding behavior Jan Kubanek, ¹ Lawrence H Snyder, ¹ and Richard A Abrams² <u>Author information</u> <u>▶ Copyright and License information</u> ▶

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