Inclusive Infrastructure Moves Millennials Jonathan L. Harris

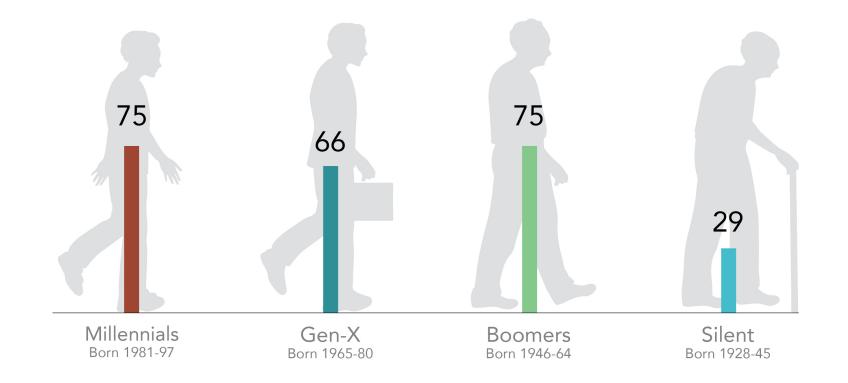


As I head downstairs for breakfast, I hear a chime from my phone. The next bus will be arriving in 10 minutes, hardly time to make coffee. I check the weather forecast, and it's sunny outside, so I decide to ride my bike to work. If I'm too tired to bike home at the end of the day or if the weather goes south, I can throw my bike on the bus and be on my way.

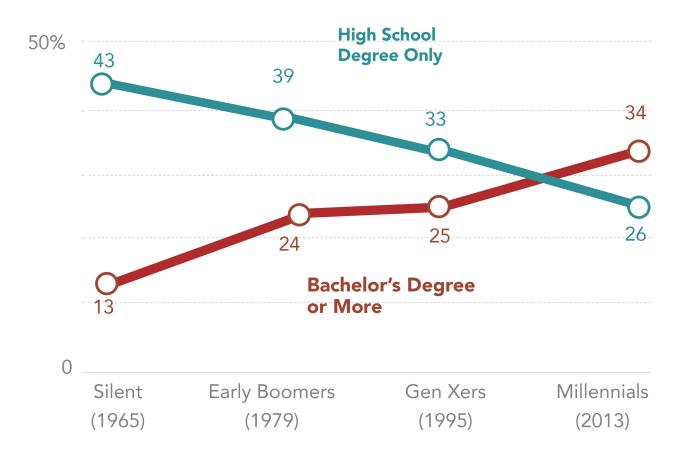
A DAY IN THE LIFE OF A MILLENNIAL



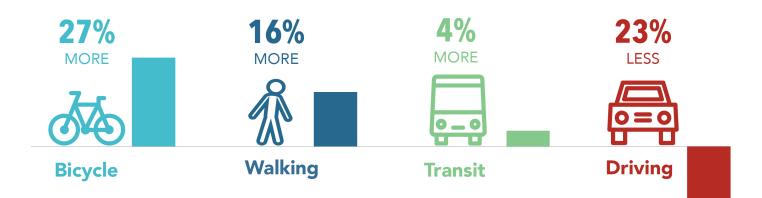






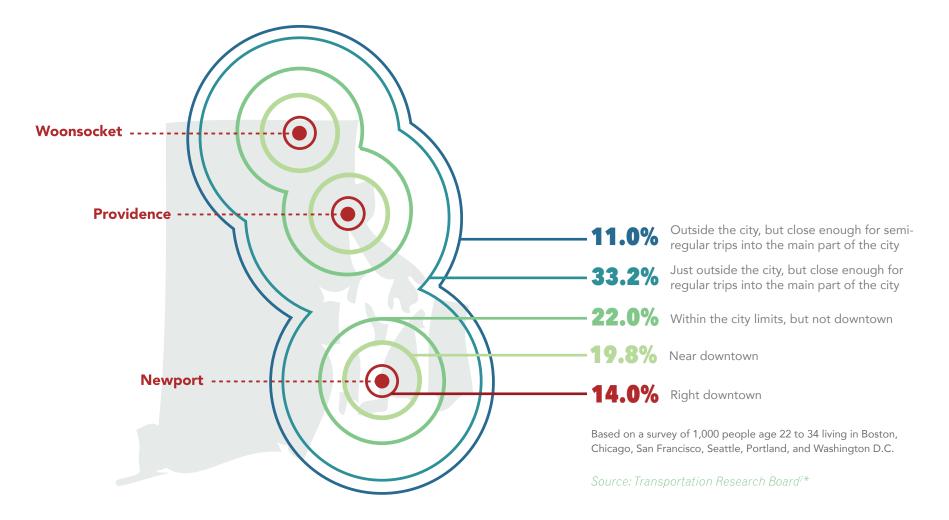








WHERE URBAN MILLENNIALS LIVE





NOT anti-car

Pro options for shifting mode

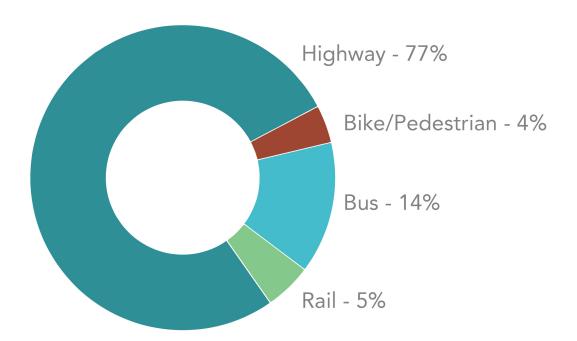


Cost of Car Ownership in the United States



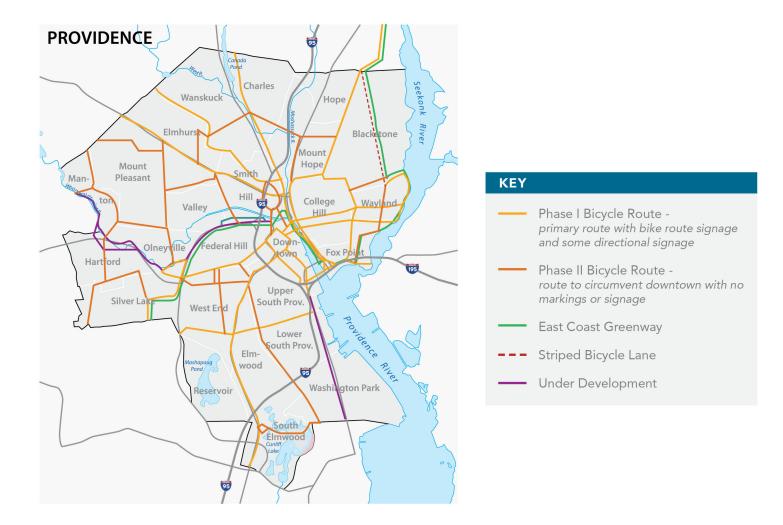


Rhode Island Transportation Spending by Mode





Bike Paths in Providence





Bike Paths in Providence by Type

TYPE OF PATH	USERS	EXAMPLES	MILES
Shared Lanes & Paved Shoulders	Bicycles & Automobiles	On roads throughout the city	24.3 Miles
Bike Lanes	Bicycles Only	Blackstone Blvd, Allens Ave, & Broadway	10.8 Miles
Shared Use Paths	Bicycles & Pedestrians	Woonasquateucket River Greenway	3.0 Miles

Total Miles = 38.1 Miles

Providence has only **1 mile of bike paths for every 10 miles of roadway**, leaving the majority of the city inaccessible to new riders.



Madison | Providence Bicycle Showdown





Madison, WI

Population Bike Lanes: Protected Bike Lanes: 248,951 268 miles 152 miles

Providence, RI

Population179,207Bike Lanes:38 milesProtected Bike Lanes:13.8 miles



Types of Bicycle Lanes, costs per lane-mile

Linear Barriers - Short

Cost: **\$10-75K** Bang for Buck: **8**

Parked Cars with Striped Buffer

Cost: <\$15K Bang for Buck: 10





Photo by Eric Fischer

Curbing Cost: \$25-600K Bang for Buck: 6.5



Raised Bikeway Cost: **\$8-26M** Bang for Buck: **6**



Linear Barriers - Tall Cost: \$80-400K Bang for Buck: 8

COST PROTECTION

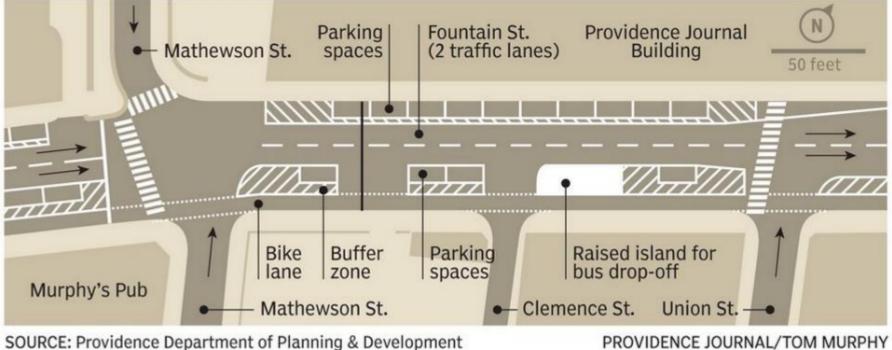
Striped Buffer Cost: **<\$15K** Bang for Buck: **6**





Providence's First Protected Bike Lane

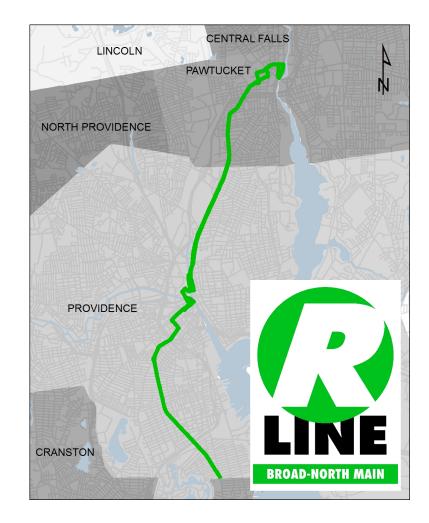
Downtown Circulator Plan



PROVIDENCE JOURNAL/TOM MURPHY

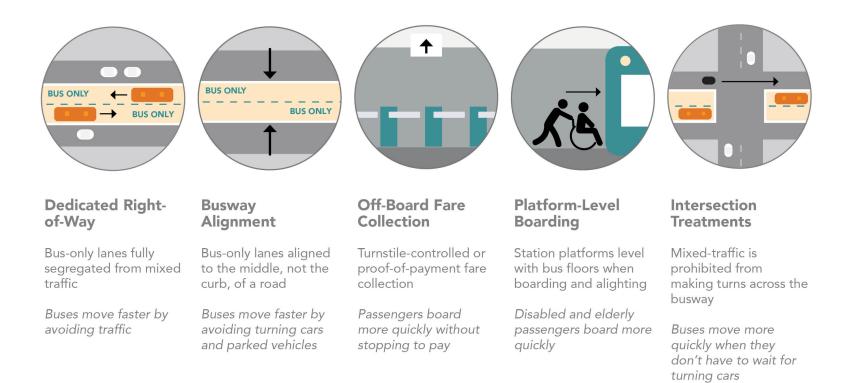








Key Features of an Efficient Bus Rapid Transit (BRT) System







Washington Bridge Bikeway and Linear Pedestrian Park

