VISION ZERO

STRIVING TO ELIMINATE TRAFFIC DEATHS AND SERIOUS INJURIES ON SOMERVILLE'S STREETS

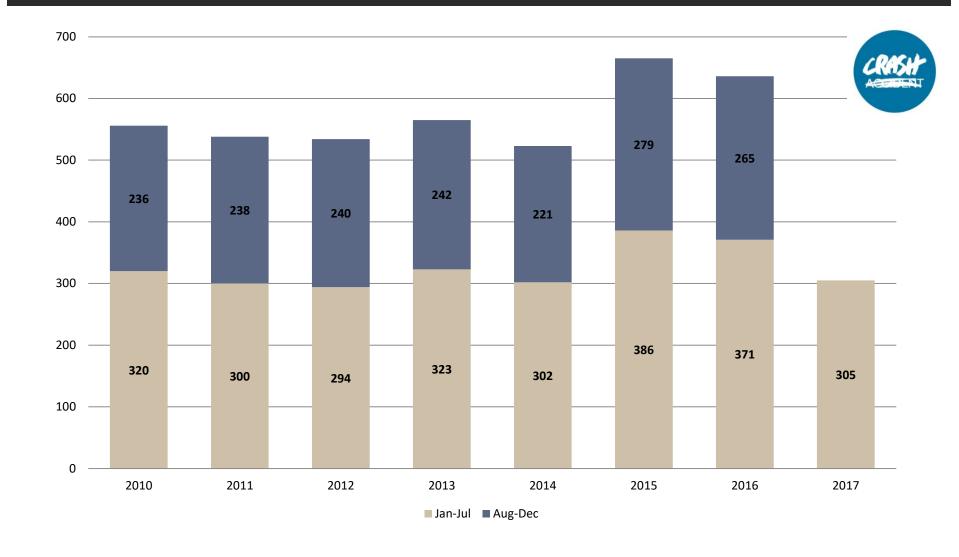
Mayor Joseph A. Curtatone

Brad Rawson Director of Transportation & Infrastructure

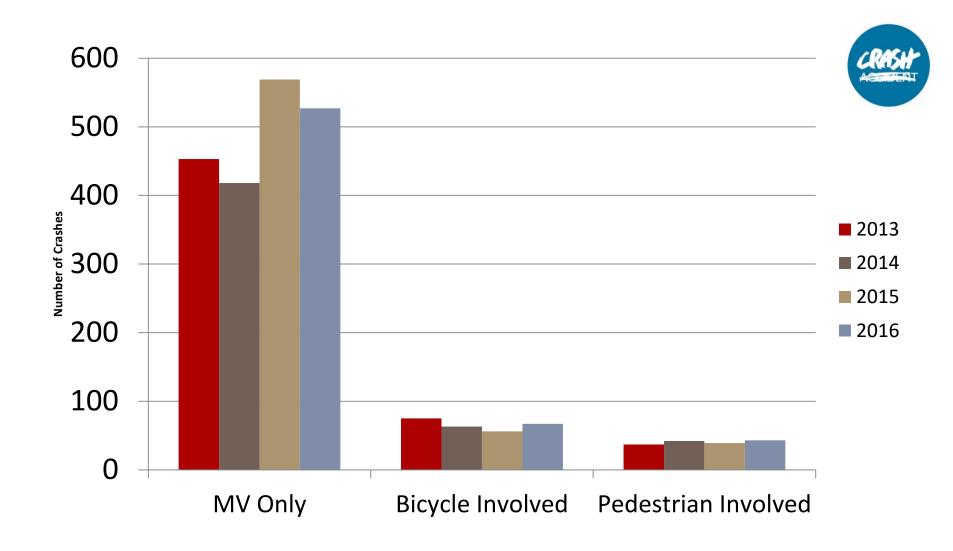
September 6, 2017



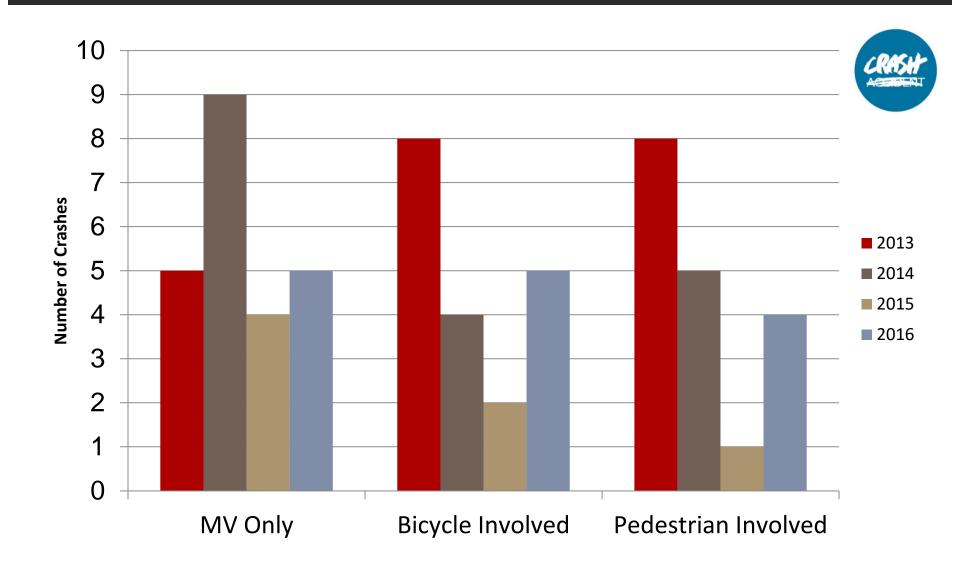
Crashes Reported on Somerville Streets, 2010-2017



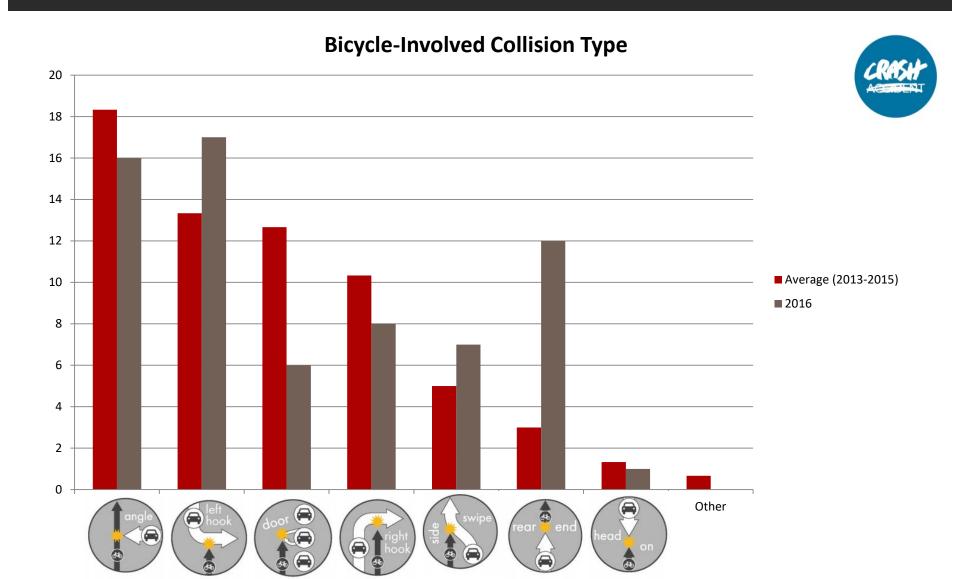
Crash Trends by Mode



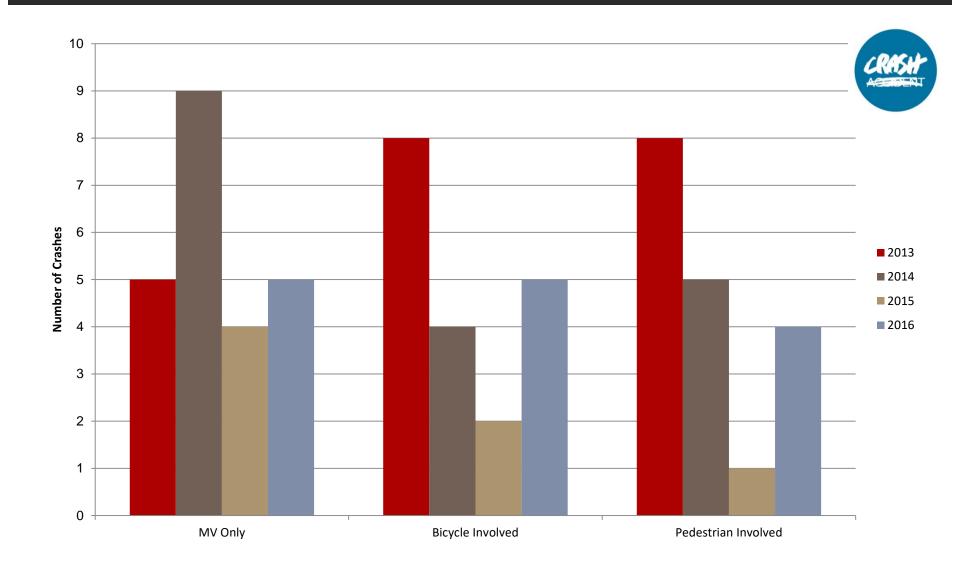
Serious Injuries by Mode



Crashes Involving People on Bikes in Somerville



Serious Injuries by Mode





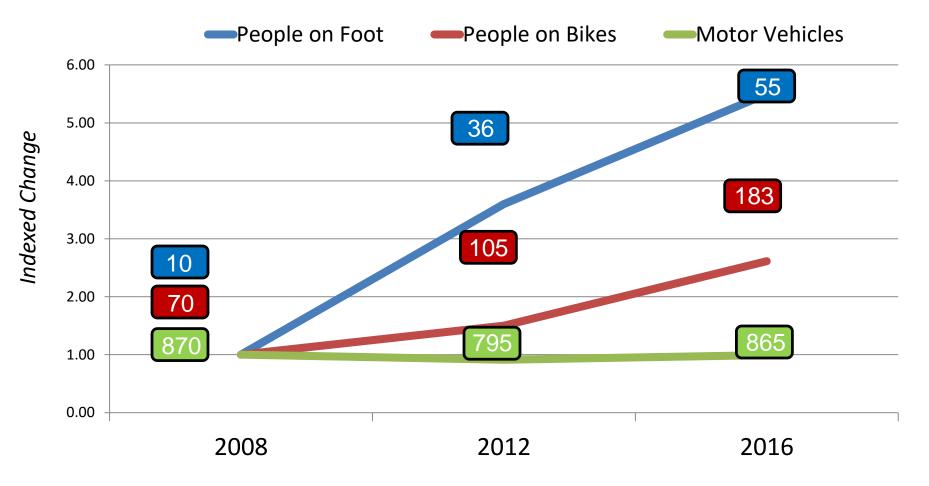


Mobility is Changing Rapidly

More Commuters are Walking and Biking, While Motor Vehicle Traffic has Remained Steady



Webster @ Newton: Morning Commute

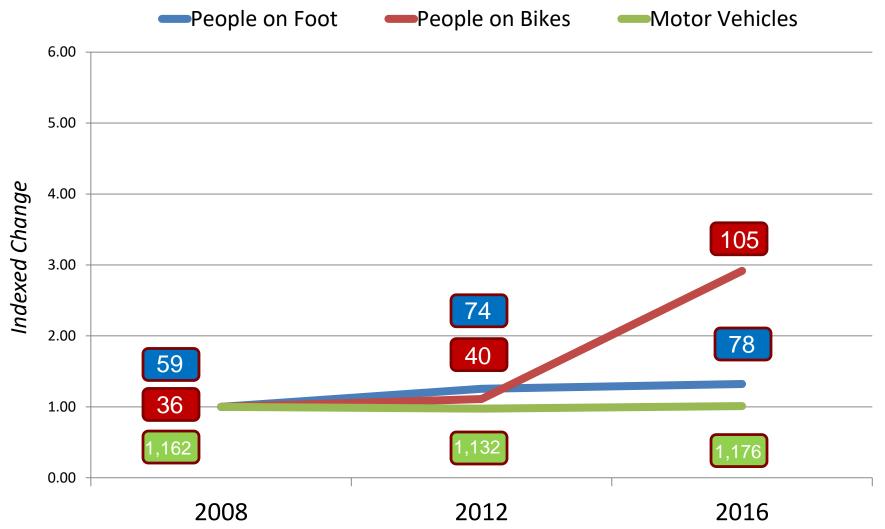


Source: City-contracted traffic counts performed by licensed engineers

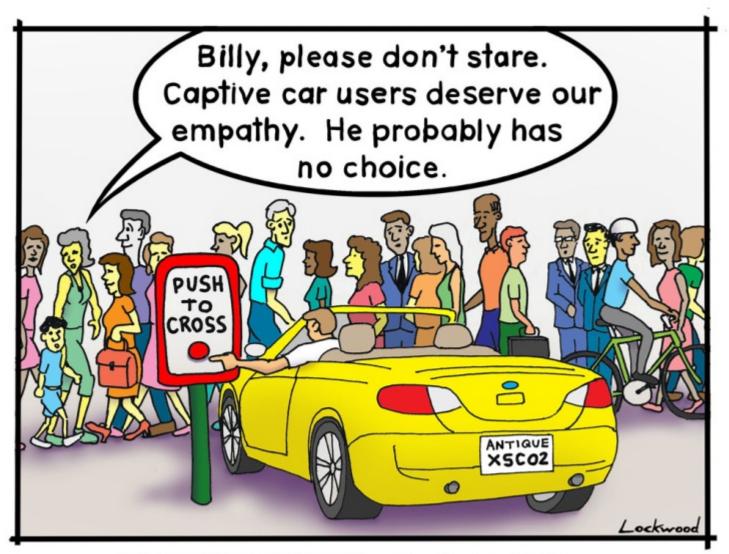
Changing Mobility Behavior

Prospect @ Somerville: Evening Commute



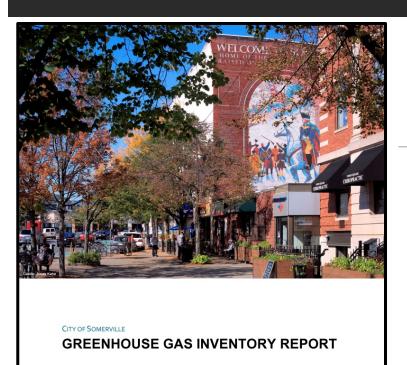


Source: City-contracted traffic counts performed by licensed engineers



Your City Fifty Years from Now

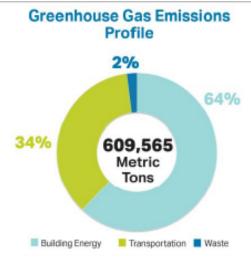


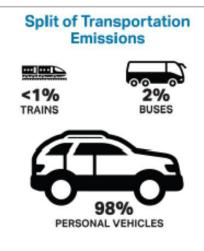


January, 2016



Community Inventory





Environmental Sustainability

Public Health & Safety

Social Equity

Economic Activity



HEALTH IMPACT ASSESSMENT OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MassDOT) GROUNDING McGRATH STUDY



7/1/2013

Massachusetts Department of Public Health Bureau of Environmental Health





Environmental Sustainability

Public Health & Safety

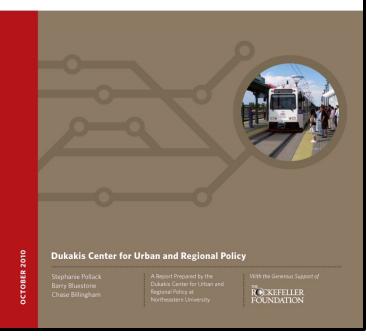
Social Equity

Economic Activity



Maintaining Diversity In America's Transit-Rich Neighborhoods:

Tools for Equitable Neighborhood Change





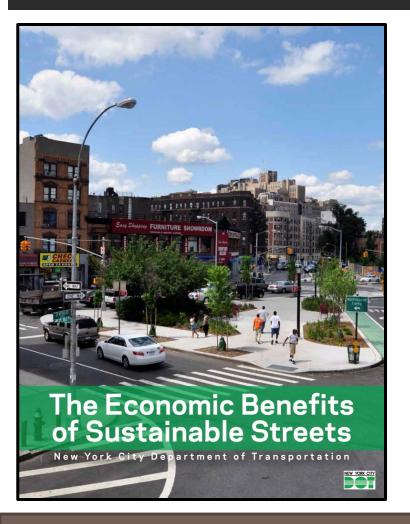
Environmental Sustainability

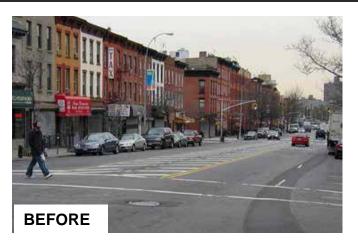
Public Health & Safety

Social Equity

Economic Activity









Environmental Sustainability

Public Health & Safety

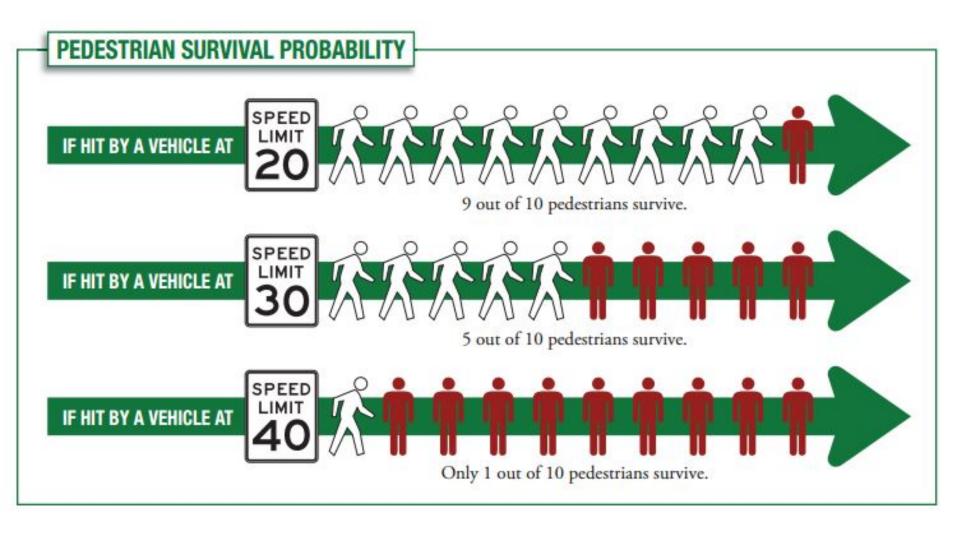
Social Equity Economic Activity



Speed is the Difference

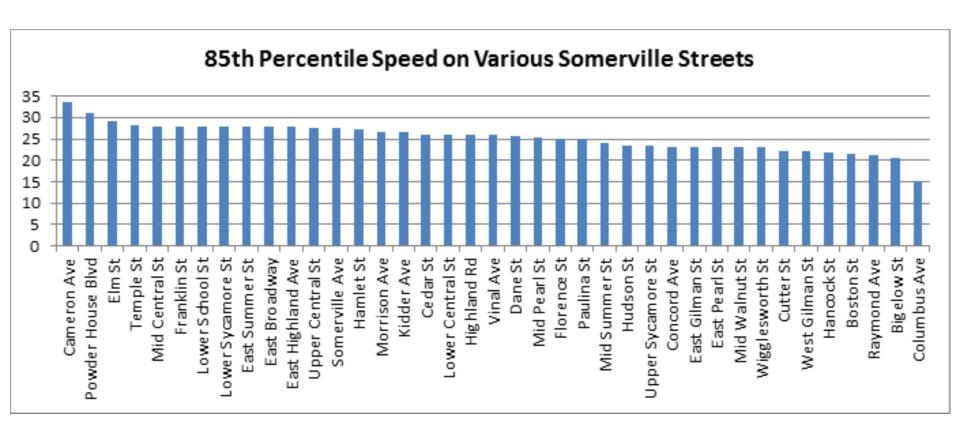
"20 is Plenty" – Why Speed Matters





We are Building Somerville's First Speed Database





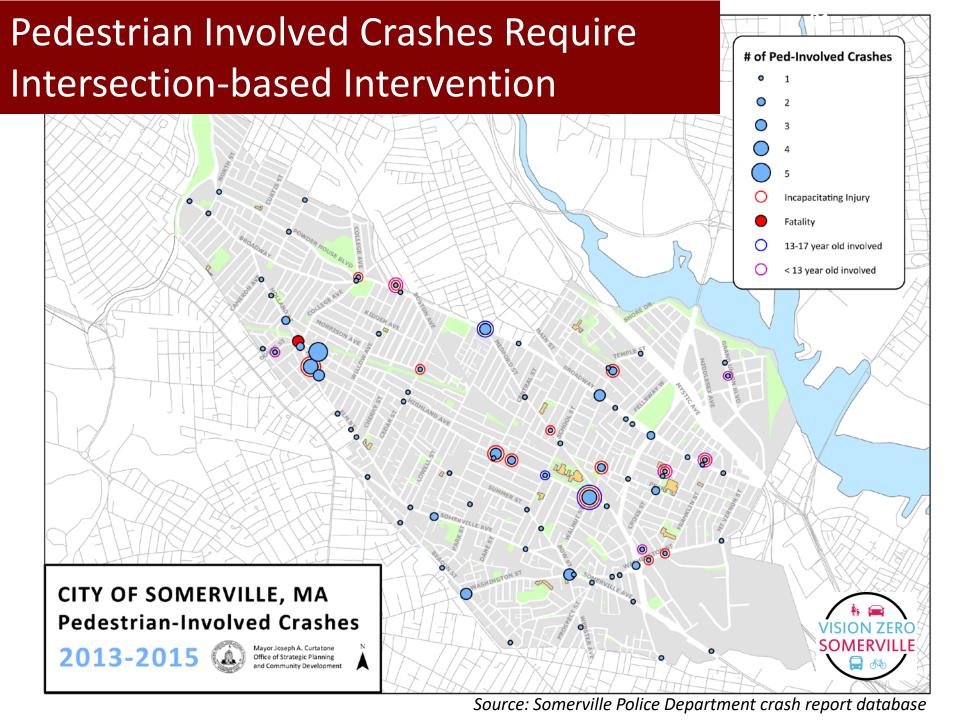


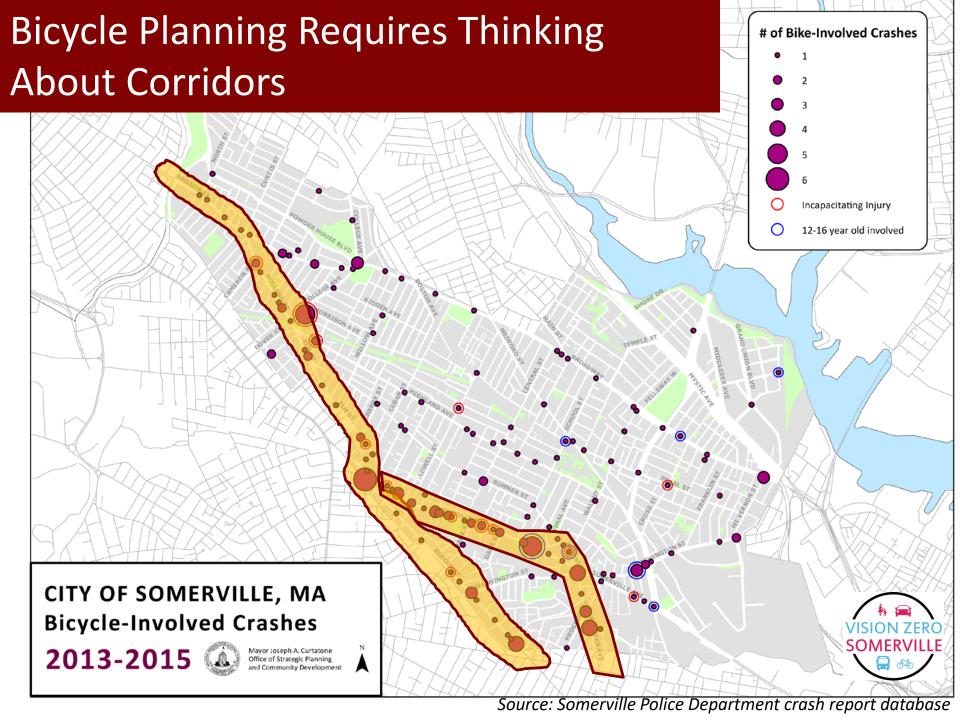
Enforcement

Safety Zones

Engineering

Traffic Calming





Enforcement Toolkit has Changed

Webster Avenue: July 2017

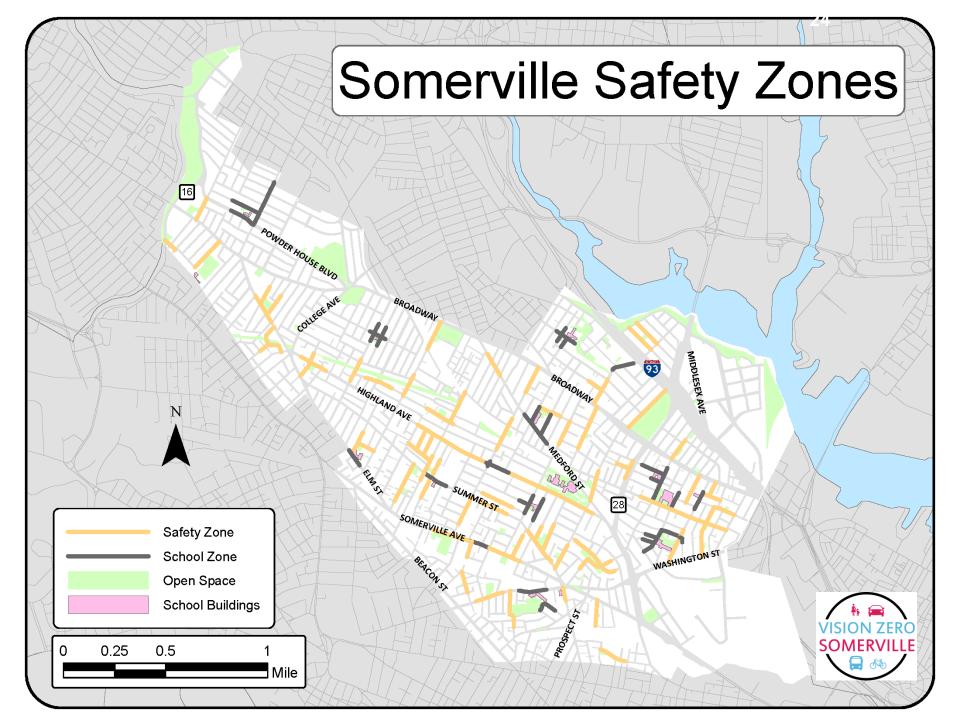


Remove
School Zone
20 mph

Enforceable "when children are present"



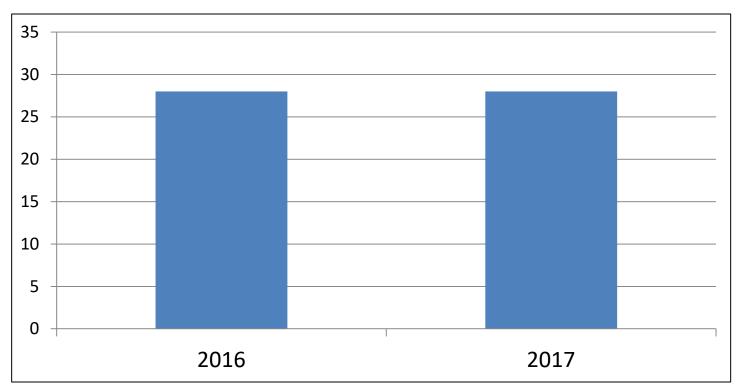
Install
Safety Zone
20 mph
Enforceable
24/7/365



Evaluation: Have Speeds Changed in Safety Zones?



Location: Summer Street at Green Street



Nearly half of bicyclists and more than

one-quarter of pedestrians killed by a large truck first impact the side of a truck.

257



Large Vehicle Safety



Several Traffic Calming Tools in Use Today



Raised Intersection



Temporary Speed Hump



Curb Extensions



Temporary Chicane

Traffic Calming in Union Square





Parking Protected Bike Facility: New For Somerville

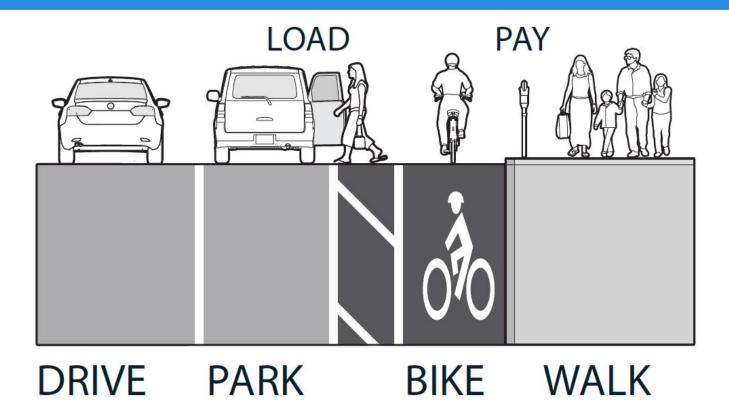




Parking Protected Bike Facility: New For Somerville



PROTECTED BIKE LANE



City of Somerville

Mayor Joseph A. Curtatone

Low-stress routes are growing







Action Plan

Coming 2018



Vision Zero

Challenges to be considered moving forward:

Results: Crashes will continue. VZ commitments can create constituent frustration if the numbers and severity remain stubbornly high (San Francisco lesson)

Proactive vs. reactive policy: Rapid response is a natural instinct following a terrible crash. VZ commitments can help balance resource allocation between established priorities and emergency response needs (Boston lesson)



Q&A