



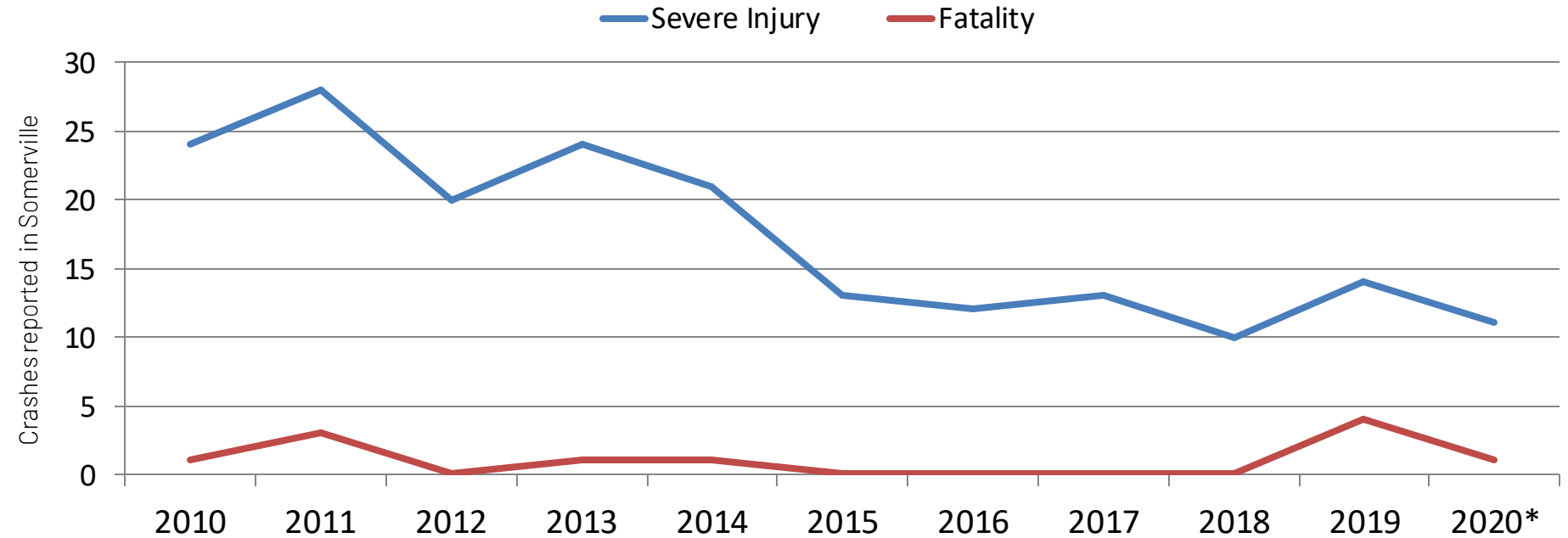
MAYOR JOSEPH A. CURTATONE
OFFICE OF STRATEGIC PLANNING &
COMMUNITY DEVELOPMENT

KEY PERFORMANCE INDICATORS

Crashes & Vehicle Speeds

Severe crashes have been trending downward over the past decade; although Somerville experienced several fatal crashes in 2019 and 2020

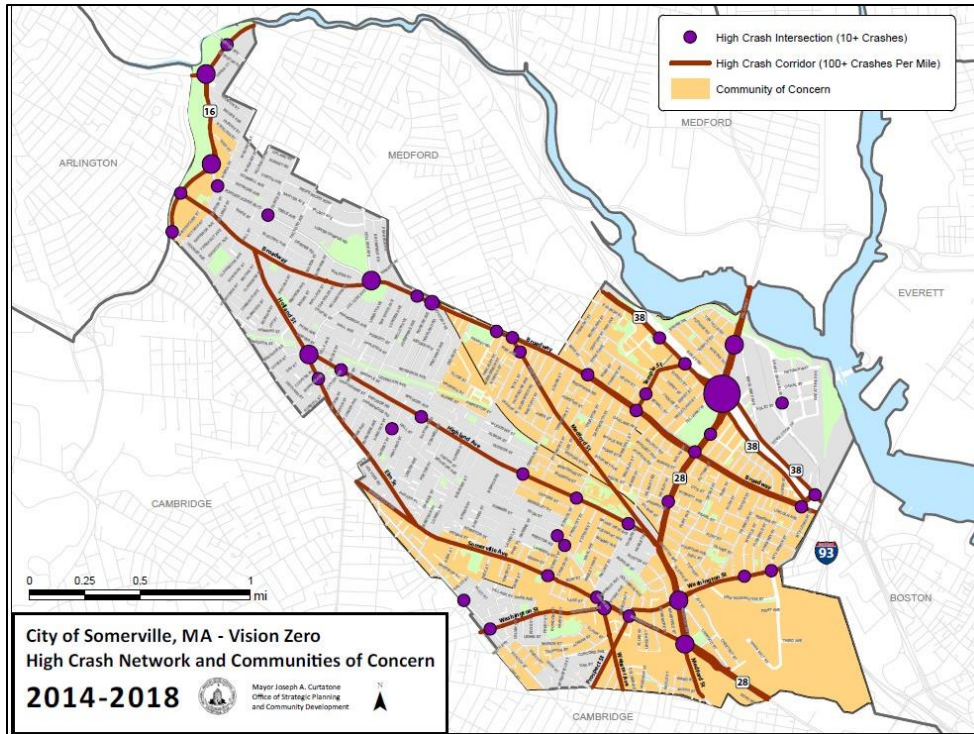
Source: Massachusetts Department of Transportation statewide crash database



* Data downloaded from MassDOT online database 2/3/21

Severe crashes in Somerville tend to be concentrated on a network of high-volume City streets and multi-lane state highways

Source: Massachusetts State Police database



State Roads (on High Crash Network)

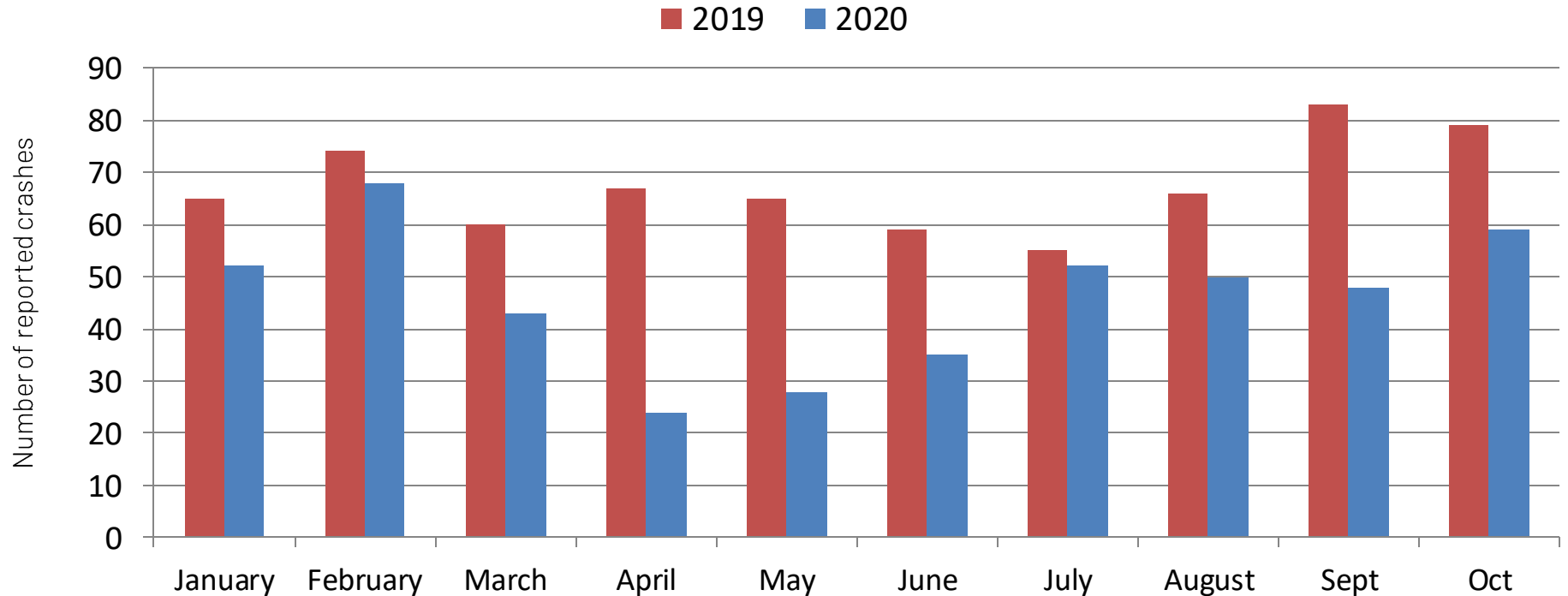
Route 28
Route 38
Route 16

City Streets (on High Crash Network)

Broadway
Washington
Somerville
Highland
Medford
Temple
Prospect
Webster
Holland
Elm

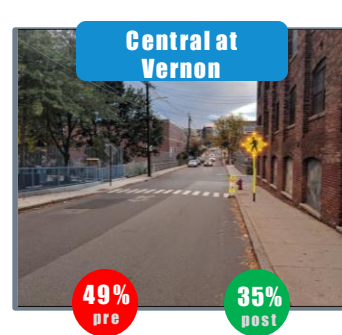
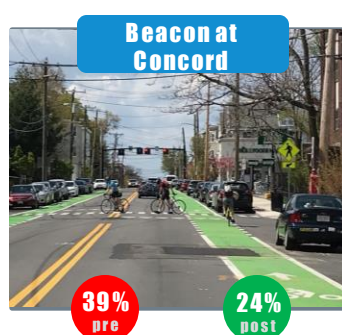
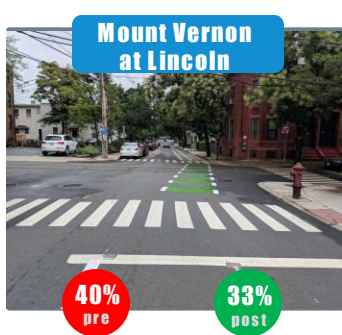
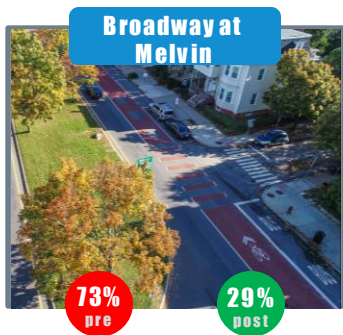
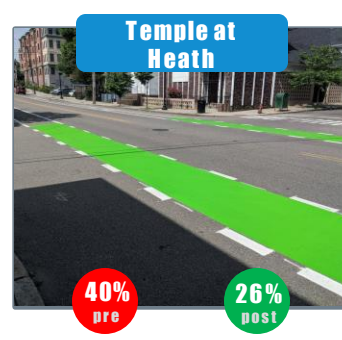
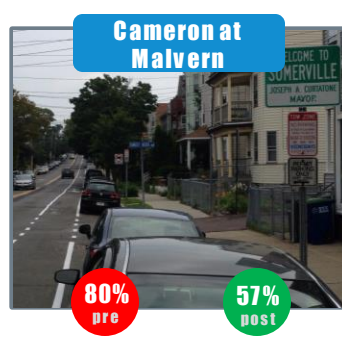
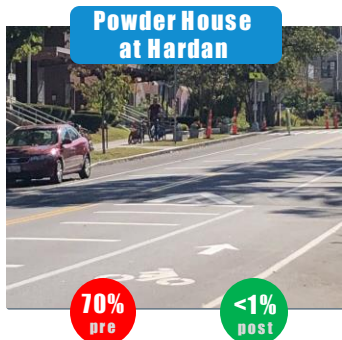
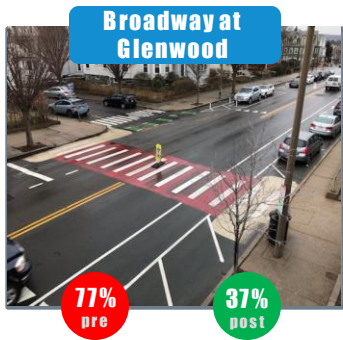
Reported crashes in Somerville appear lower in 2020; the difference is more pronounced during COVID-19 shutdown

Source: Massachusetts State Police database



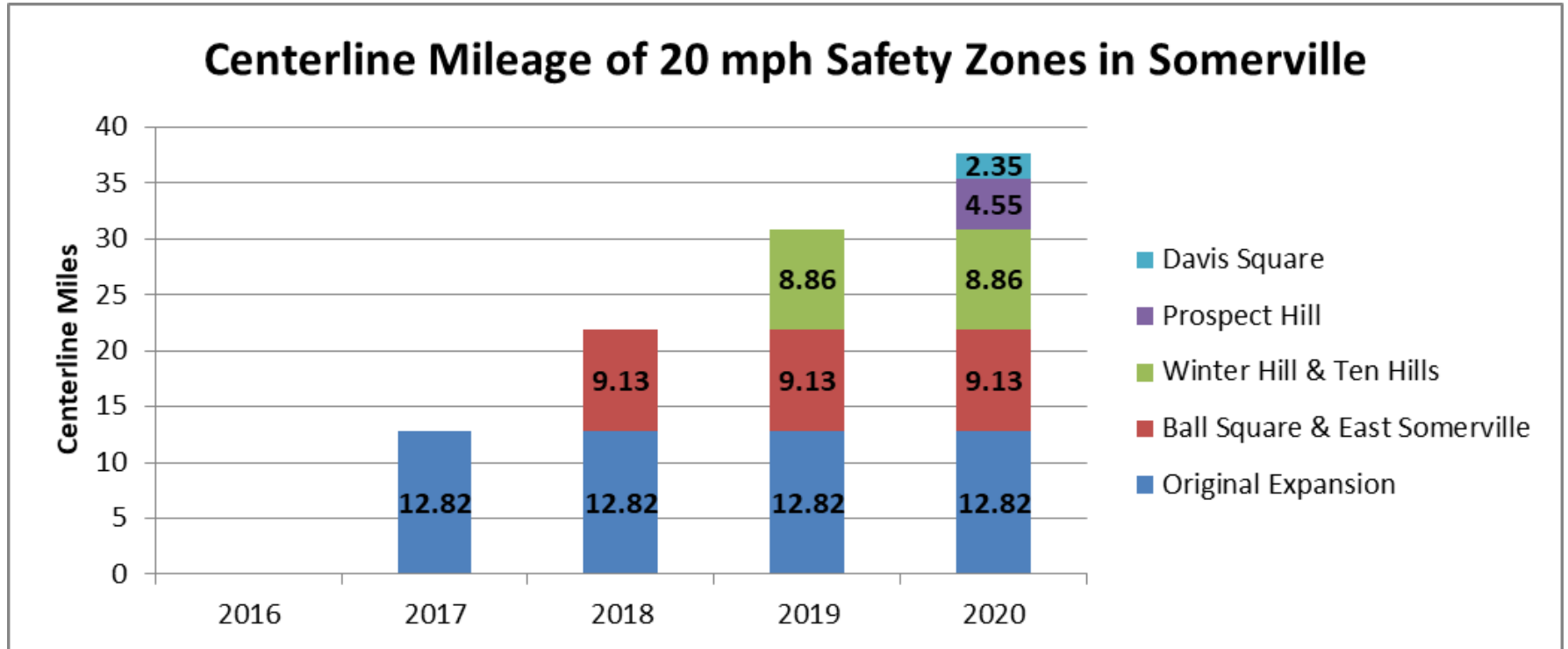
Our recent projects have helped reduce speeding, advancing Somerville's Vision Zero framework for eliminating severe crashes

Source: City traffic count database



Note: Speeding defined as vehicle speeds at or above 25mph

Somerville has reduced speed limits citywide; and 20mph speed limits are being created for all residential neighborhoods



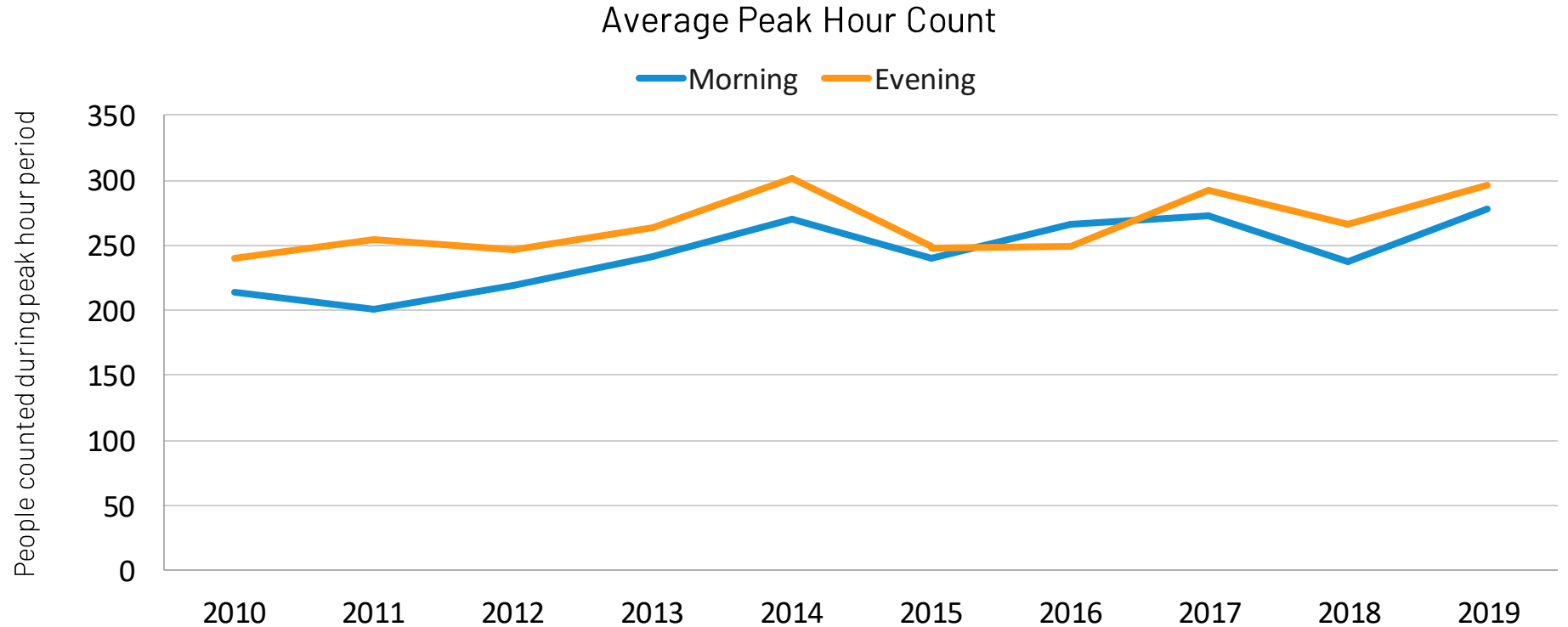


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KEY PERFORMANCE INDICATORS

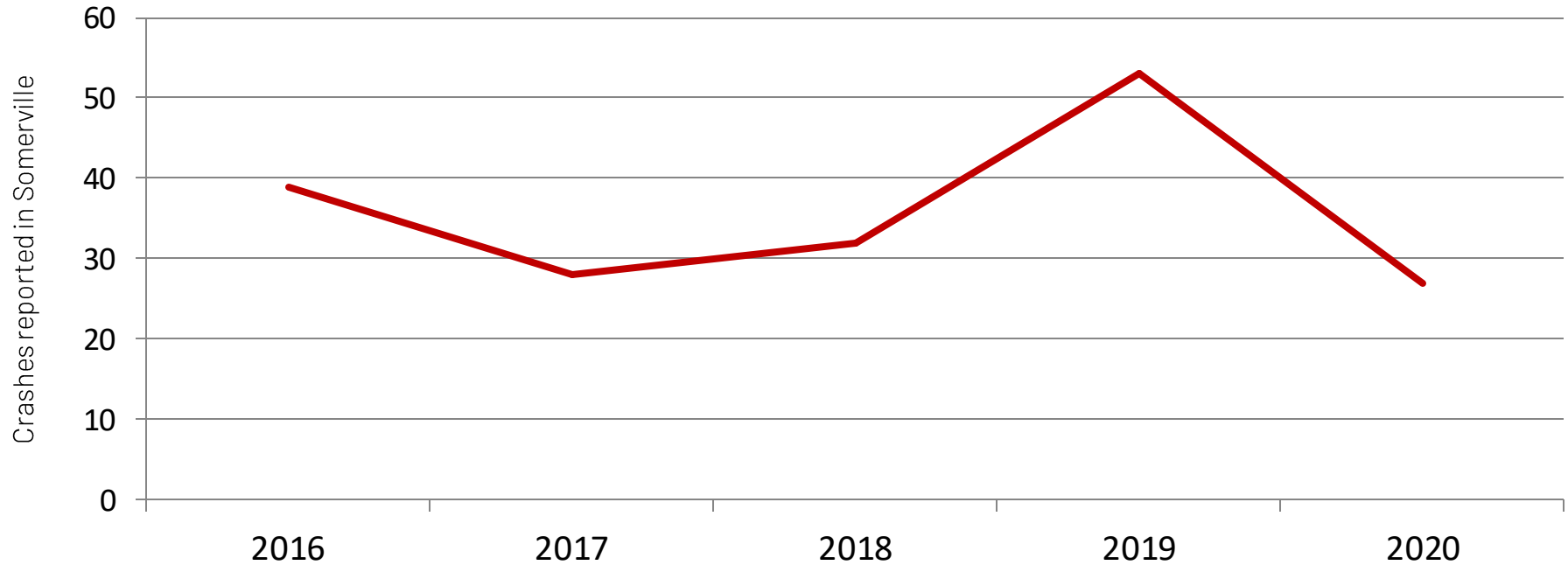
Walking & Rolling

Somerville has an annual program to count people walking & rolling and the data from 40 count locations indicate a modest decade-long increase

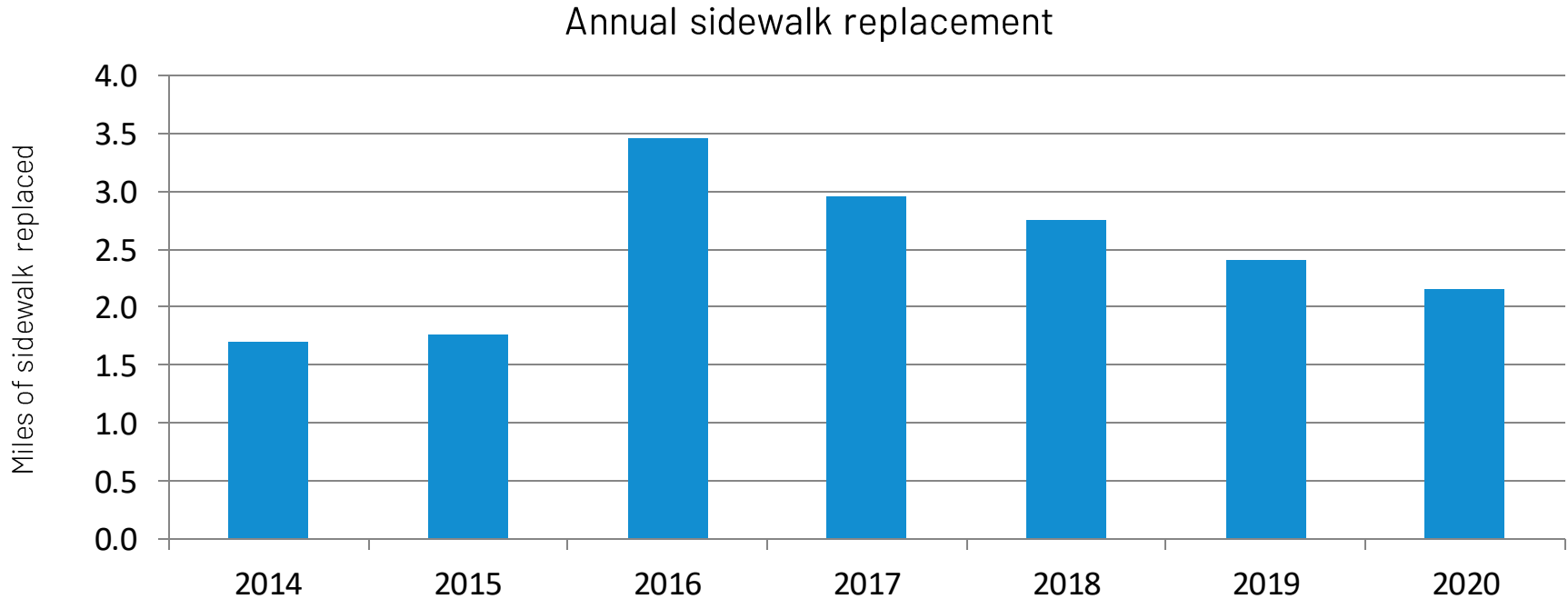


Somerville experiences roughly 35 pedestrian crashes annually although we experienced more than 50 such crashes in 2019

Source: Massachusetts Department of Transportation statewide crash database



The City's sidewalk reconstruction program improves accessibility; since 2014 we have upgraded more than 17 miles of sidewalk citywide



PROJECTS

Constructed bumpouts have changed turning geometry at crosswalks, reducing the speed of turning vehicles and shortening pedestrian crossings

Munroe at
Prospect Hill



2020

Powder House
at North



2019

Sycamore at
Medford



2020

College at
Dearborn



2018

Somerville at
Webster



2017

Broadway at
Fenwick



2019

Beacon at
Oxford



2019

Cedar at
Morrison



2018

PROJECTS

Quick-build bumpouts are used to accelerate change, offering pedestrian safety benefits while construction projects are planned





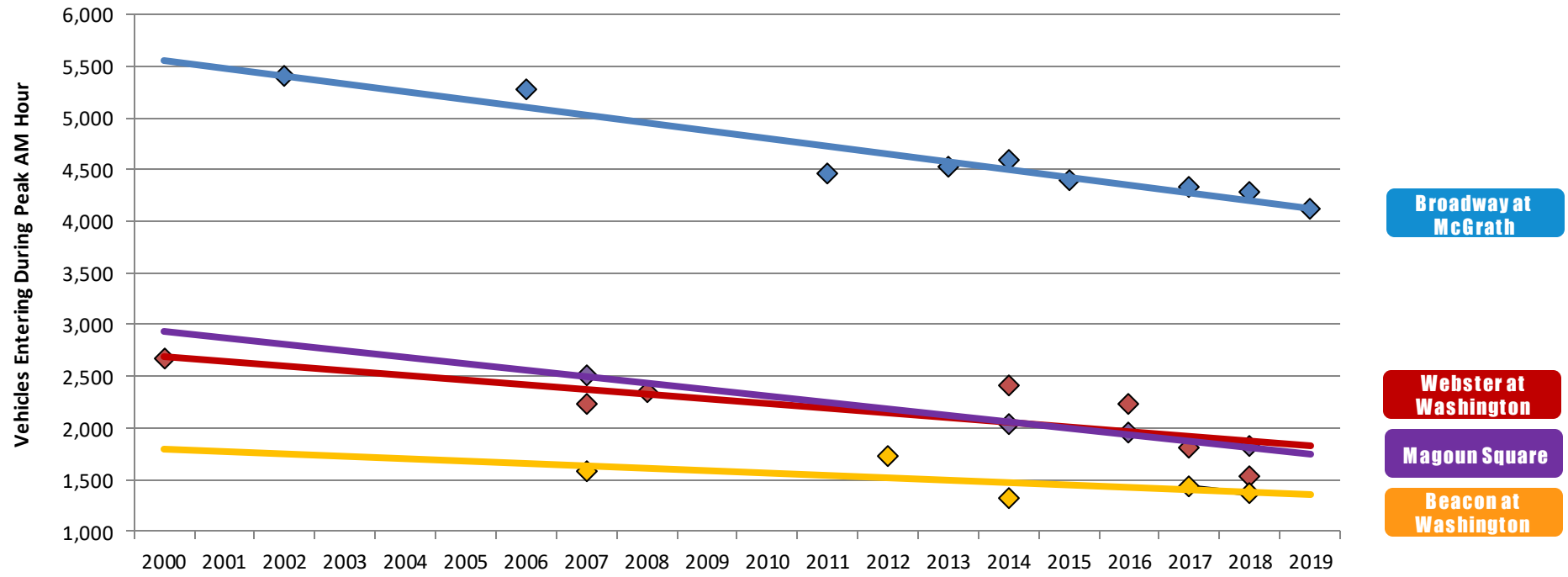
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KEY PERFORMANCE INDICATORS

Motor Vehicle Traffic

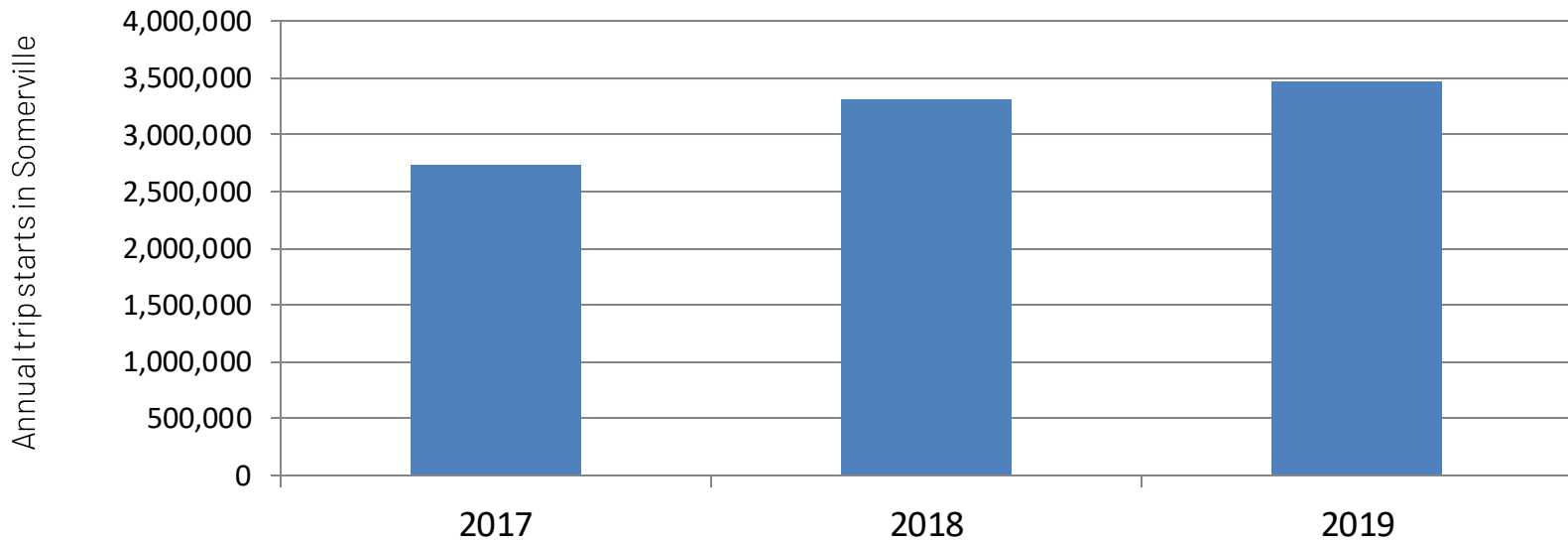
Historic traffic counts at key Somerville intersections indicate a general downward trend

Source: City traffic count database (peak hour turning movement counts)



Ride-hailing in Somerville generates motor vehicle traffic, adding the equivalent of 10,000 vehicles to our streets each weekday

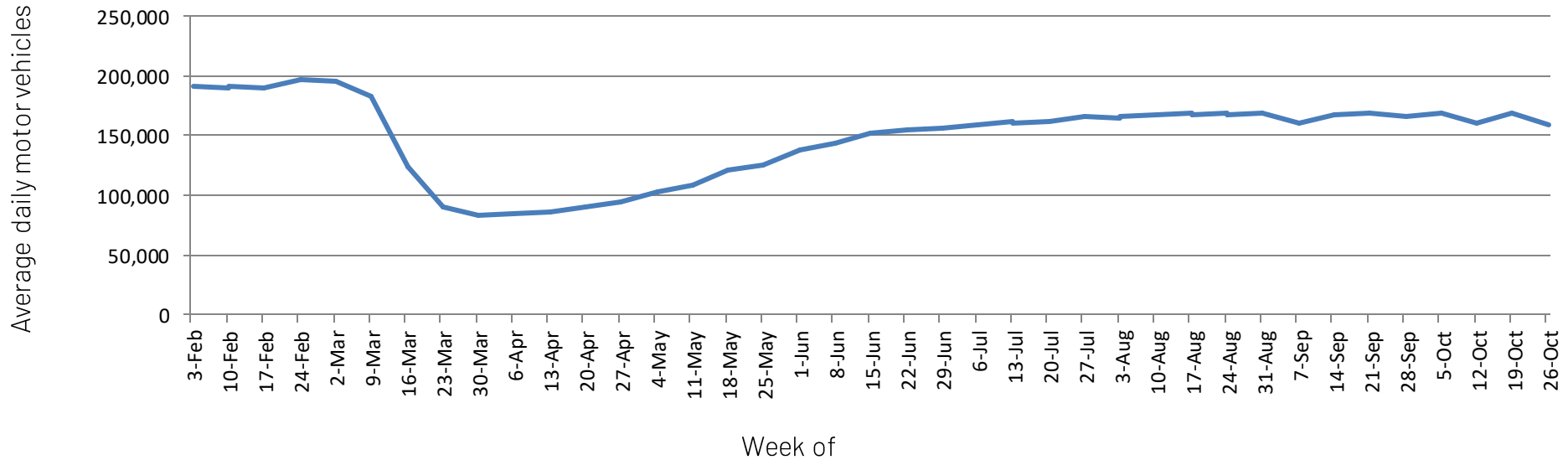
Source: MA Department of Public Utilities, TNC Division



Regional traffic on Interstate 93 dropped to 50% of typical in March but volumes rebounded to 90% of typical from early August on

Source: MassDOT permanent counter on I-93 in Medford

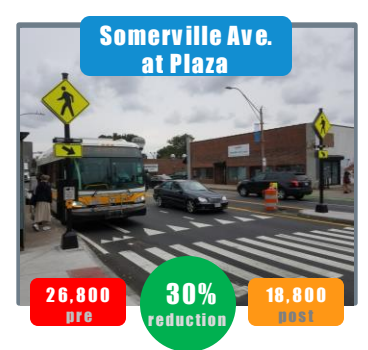
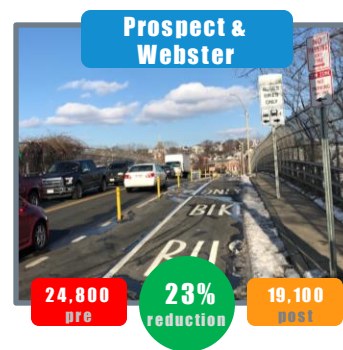
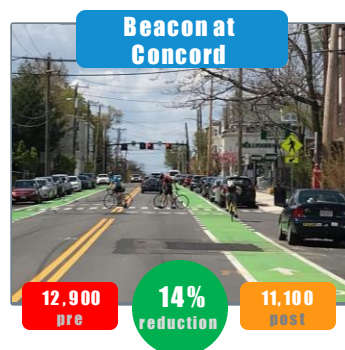
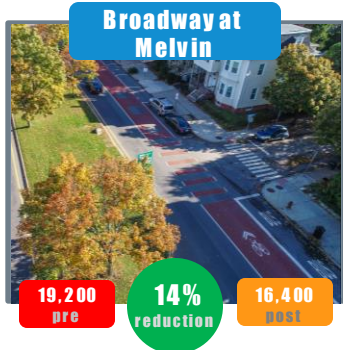
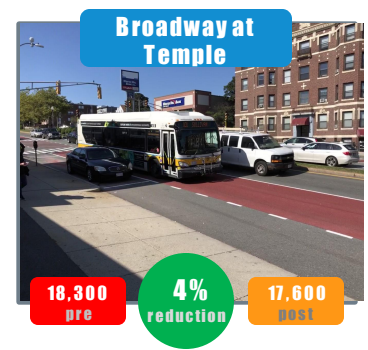
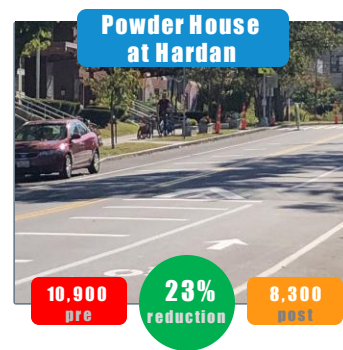
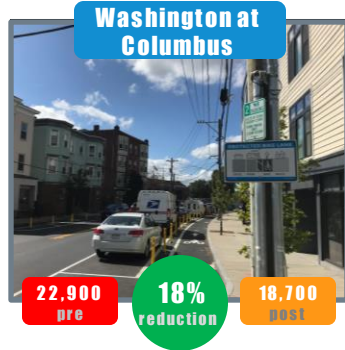
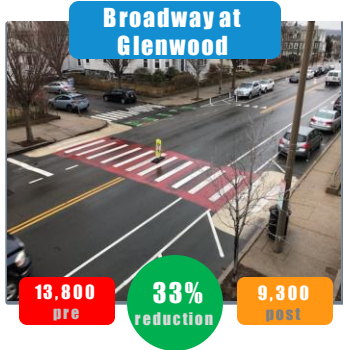
Interstate 93 Average Weekday Traffic Volume



Note: total is inclusive of northbound plus southbound vehicles

Somerville's recent projects have helped reduce daily traffic advancing our Vision Zero and Climate Forward frameworks

Source: City traffic count database (24-hour automatic traffic recorder)





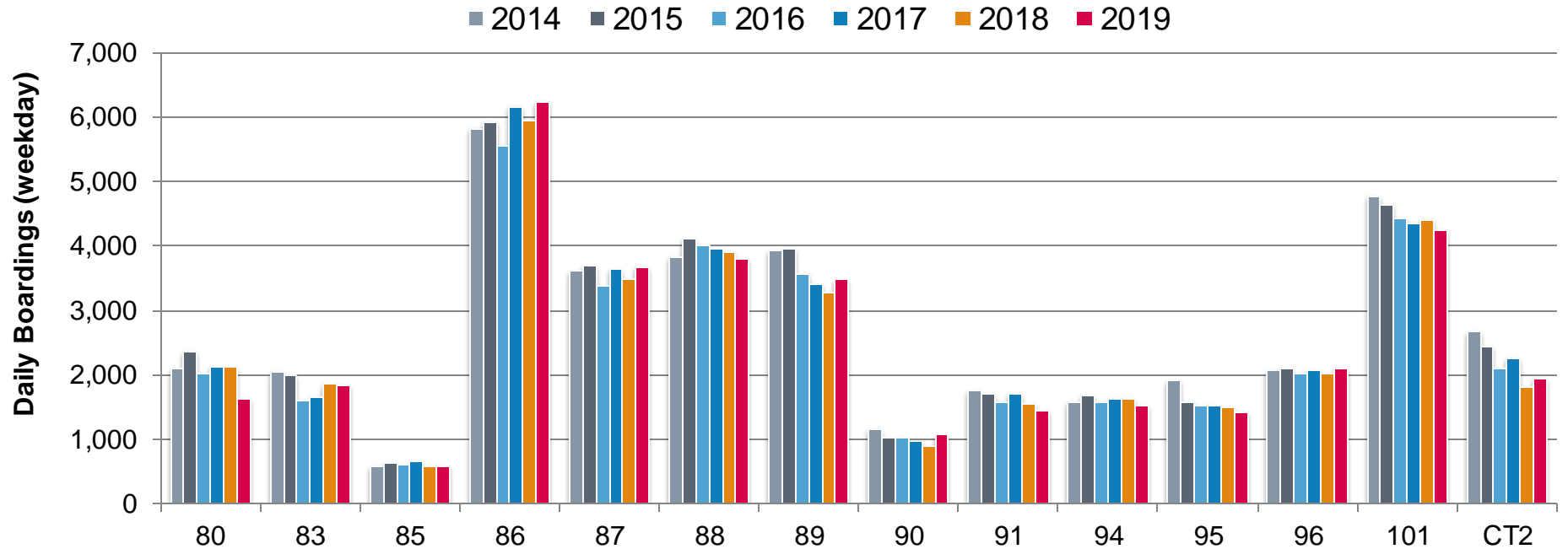
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KEY PERFORMANCE INDICATORS

Bus Transit

Historic ridership on Somerville's 14 MBTA bus routes varies but several routes mirror national trends of flat or declining ridership

Source: MBTA Office of Performance and Management Innovation

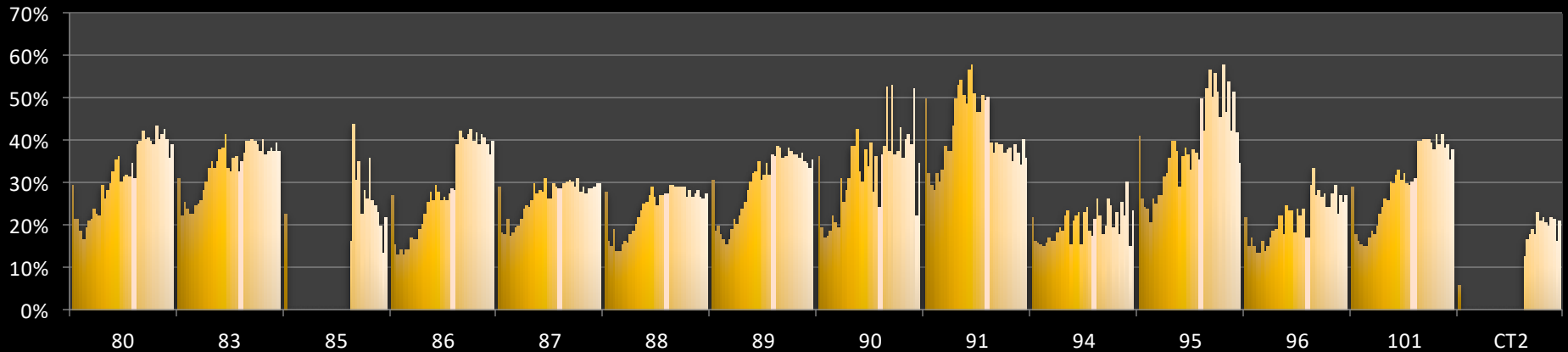


Note: average daily weekday ridership for fall season

Bus ridership during the COVID-19 emergency decreased sharply but several Somerville routes have shown durable ridership

Source: MBTA Office of Performance and Management Innovation

Weekly Ridership Compared with Baseline, 3-16-2020 through 11-30-2020



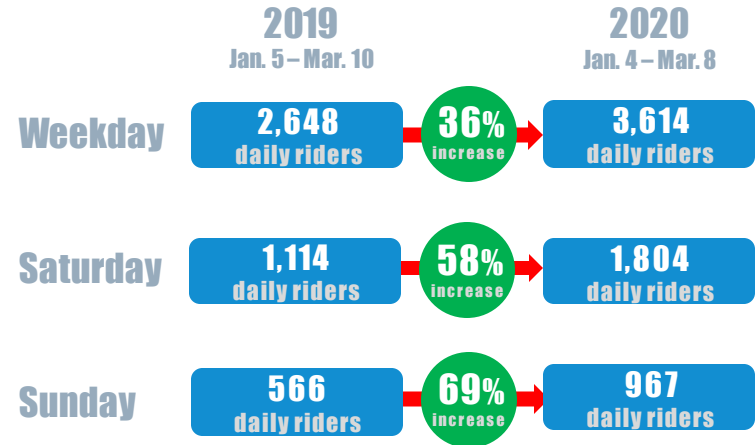
MBTA Bus Route

Note: Service on Route 85 and Route CT2 was suspended in mid-March and restored in late August

Investments like Somerville's Broadway bus priority project attract new ridership on the MBTA system



Route 89 Ridership



Note: Project included all-day bus lanes; bus stop consolidation; signal priority

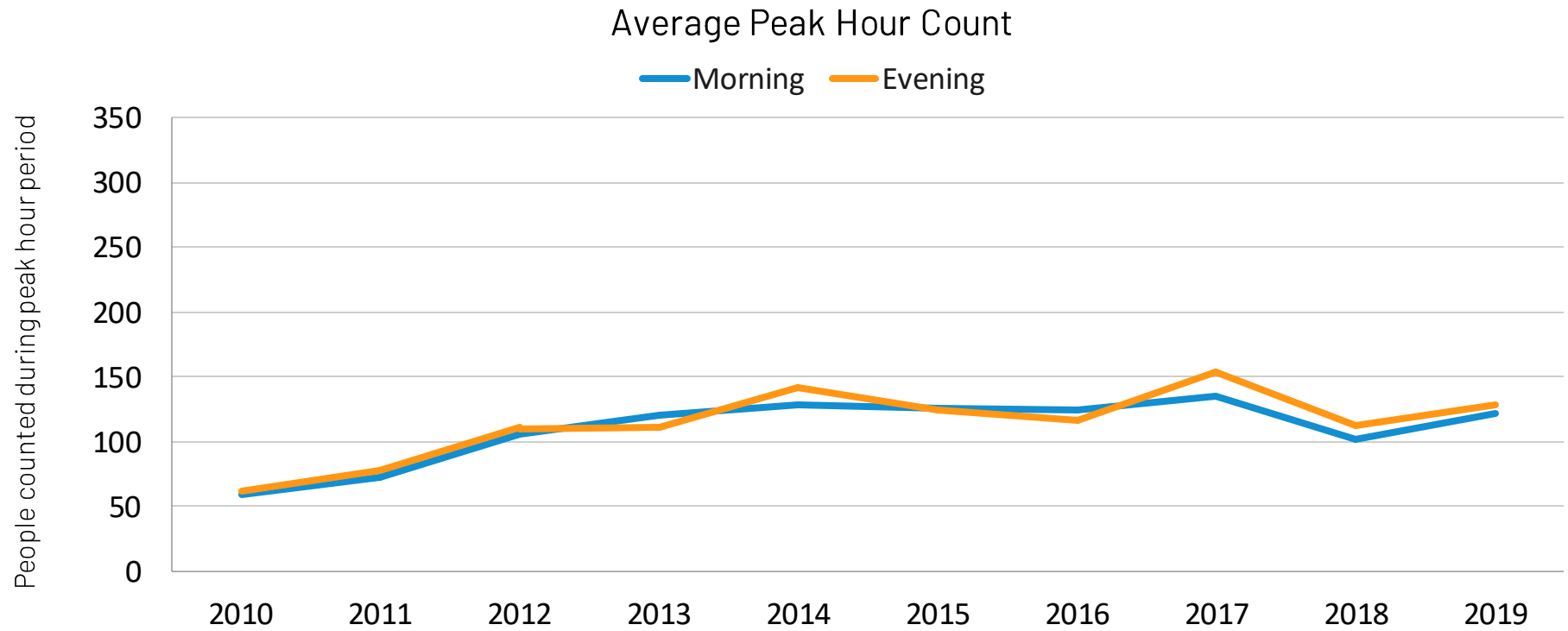


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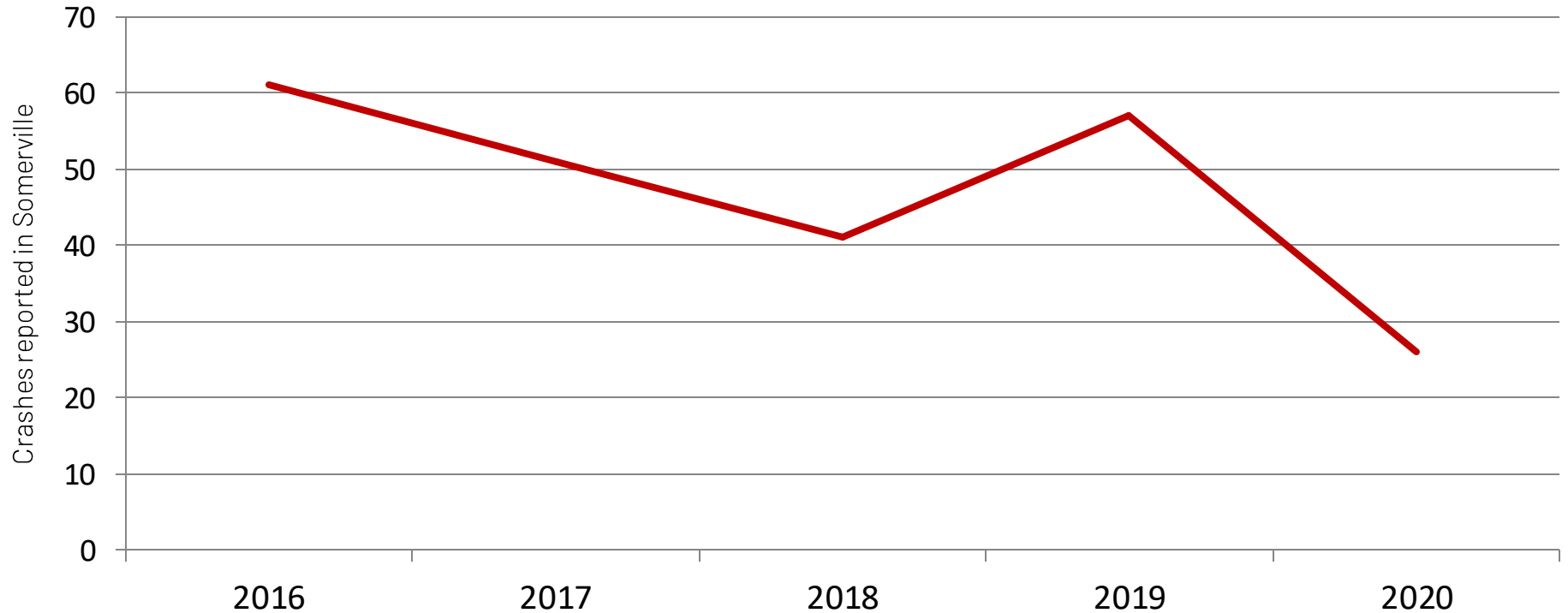
Bicycling

Somerville has an annual program to count people biking citywide and the data from 40 count stations indicate a decade-long increase



Somerville experiences roughly 45 bicycle crashes annually although we experienced more than 55 such crashes in 2019

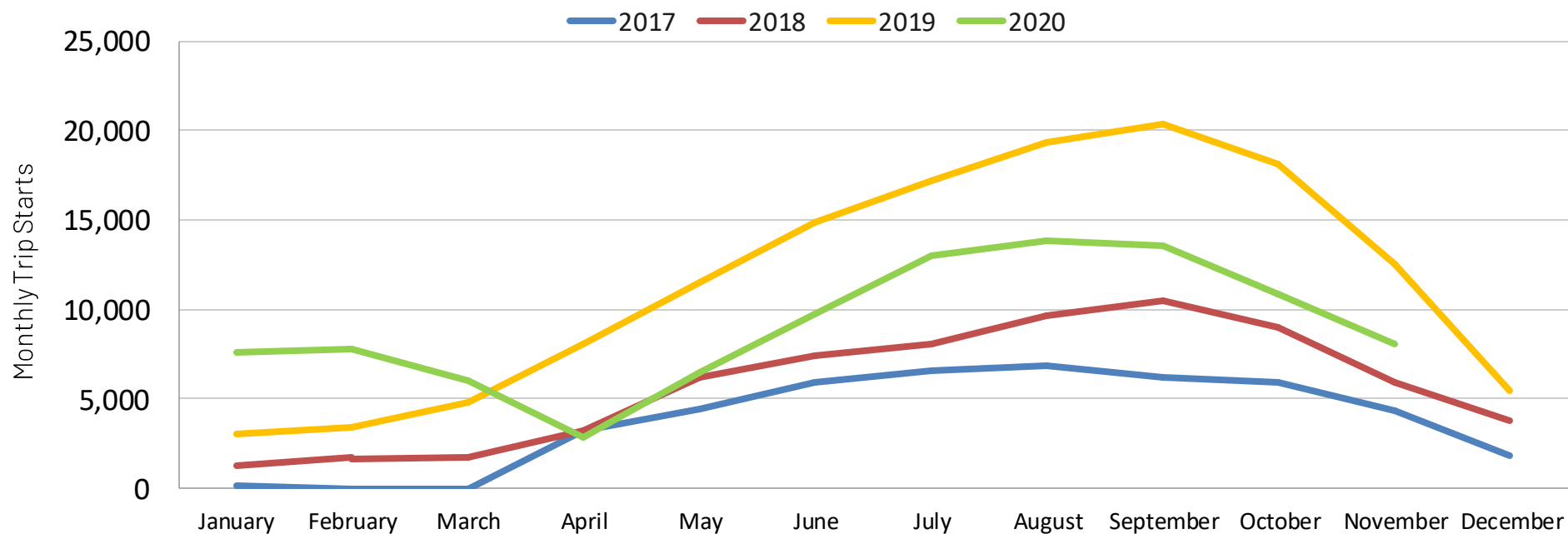
Source: Massachusetts Department of Transportation statewide crash database



Somerville's bikeshare utilization doubled between 2018-2019 and 2020 ridership pre-COVID was on pace to double again

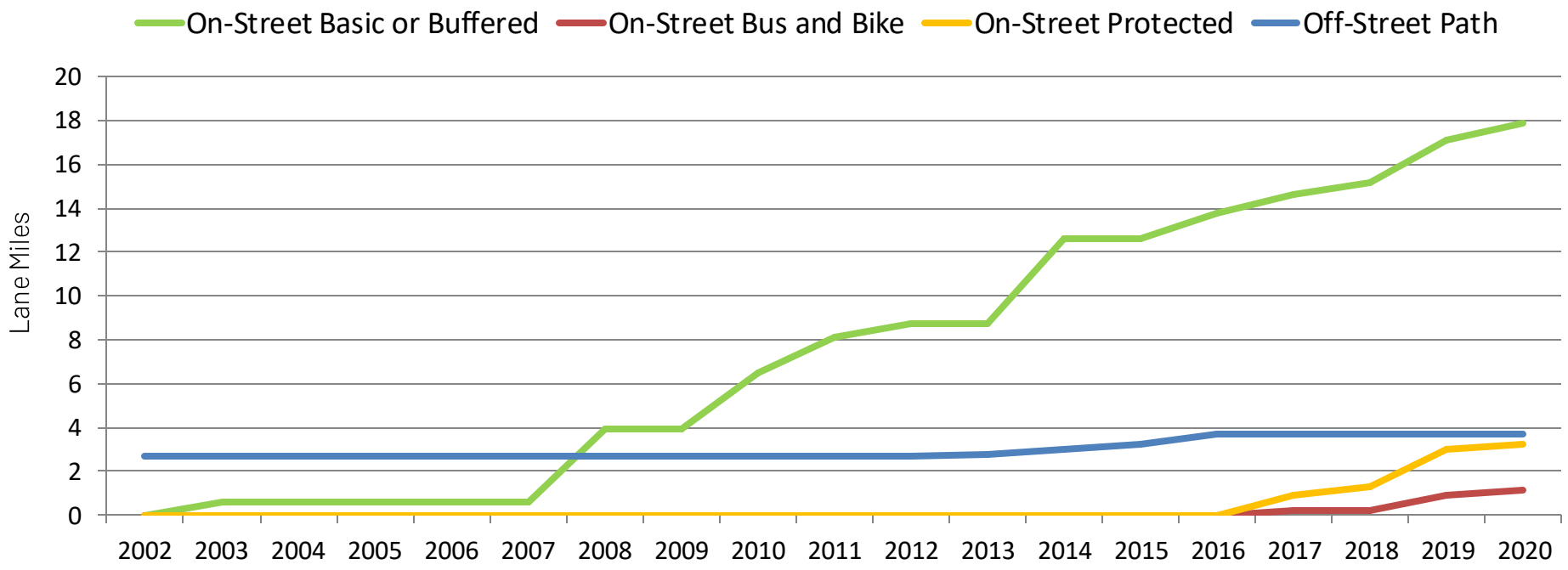
Source: Blue Bikes reporting

Cumulative Bluebikes Trip Starts in Somerville, 2017-2020



Somerville has expanded our bike network; growth is focused on protected bike facilities to serve all ages and all abilities

Source: City bike infrastructure tracking spreadsheet



Note: Shared-lane markings are not classified as bike infrastructure, and are not included here

Since 2015 the City has converted roughly 500 on-street parking spaces in order to create safer streets for people walking, biking and riding buses

Source: City bike infrastructure tracking spreadsheet

