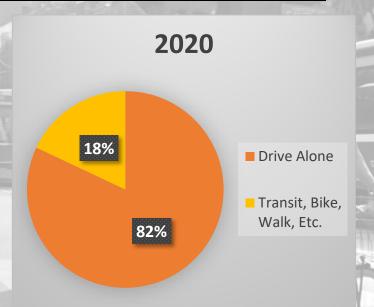


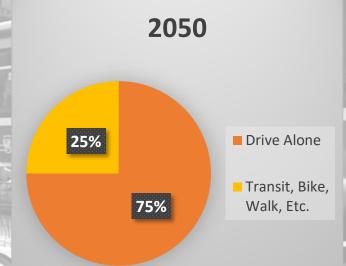


Advancing Regional Goals

Goal to achieve 25% non-auto/transit mode share by 2050



2020



Goal to reduce VMT per Capita by 30% by 2050



VMT PER CAPITA (2020 - 2050

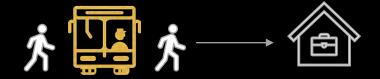
2025

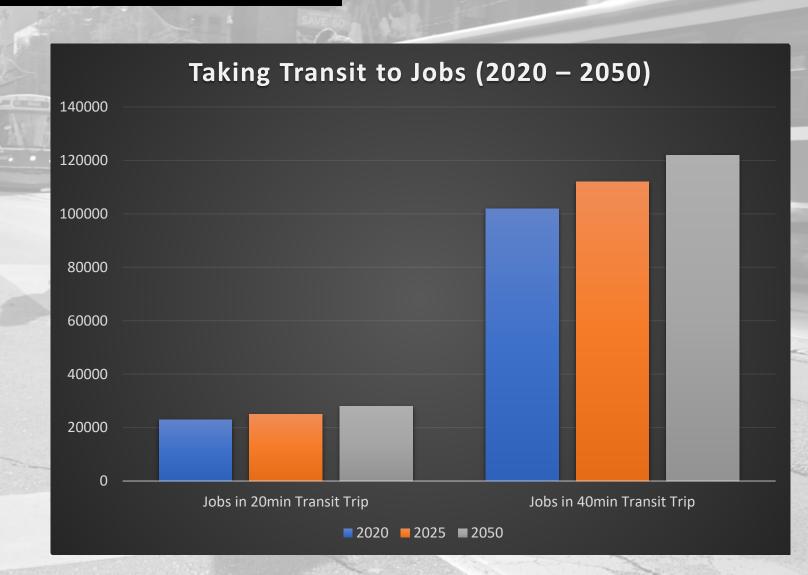
2050

Advancing Regional Goals

Making Transit the FIRST Mode Choice to Jobs

- 22% increase within 20 min trip
- 20% increase within 40 min trip

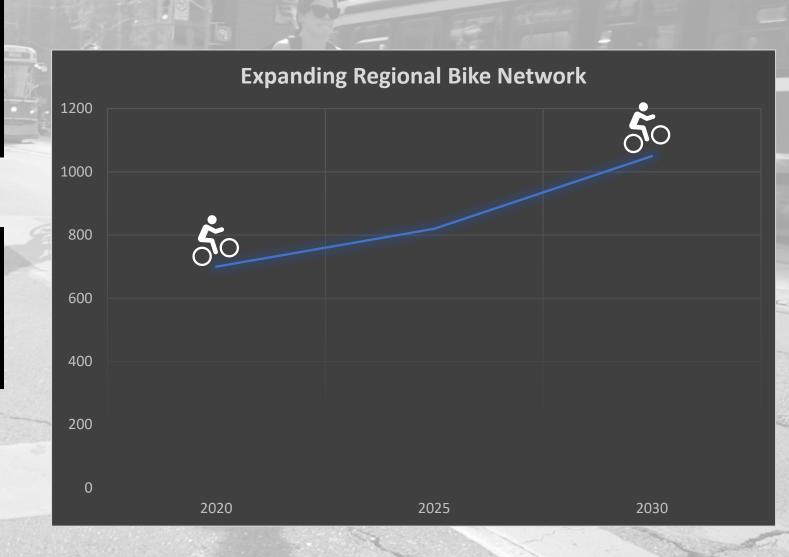




Advancing Regional Goals

Grow from **14%** to **100%** MORPC member communities to adopt Complete Streets Policies

Increase bike miles from 700 to **1,050** by 2050 Increase sidewalk on arterials and collectors from 40% to **85%** by 2050











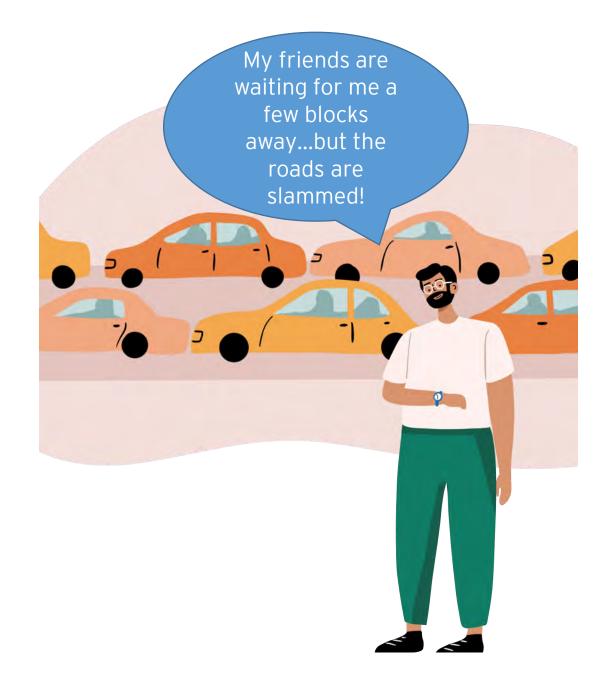




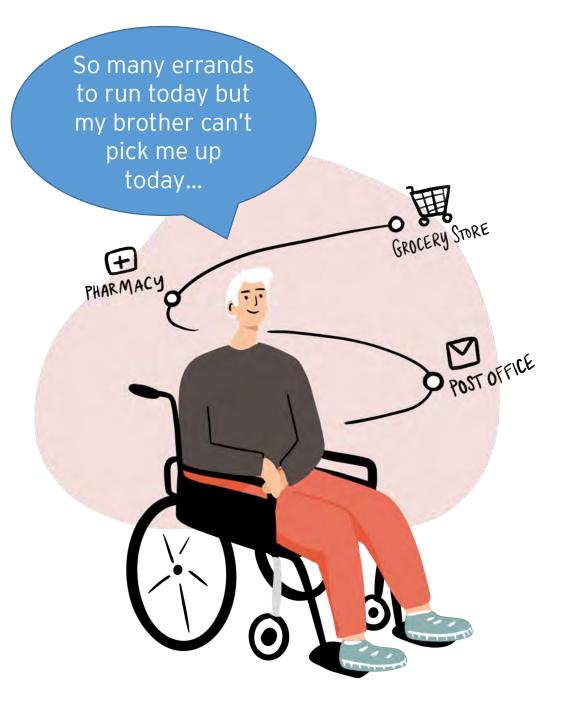
Transportation Demand Management

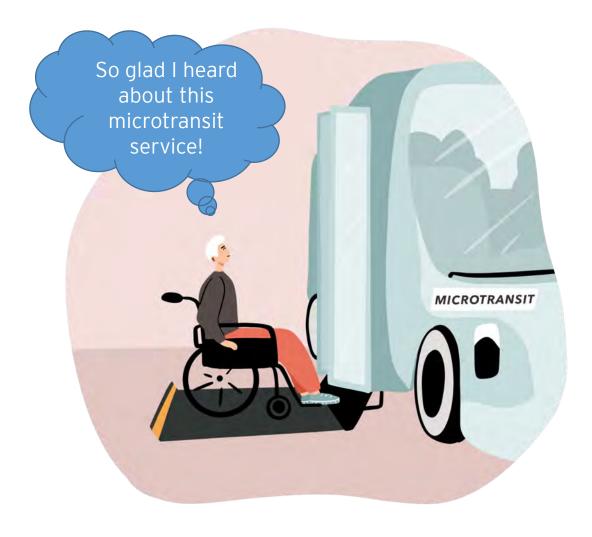
- Forges mobility justice
- Maximizes existing resources
- Builds partnerships
- Manages capital costs
- Setting and achieving sustainable, equitable goals
- Supports active, affordable living
- More mobility choices











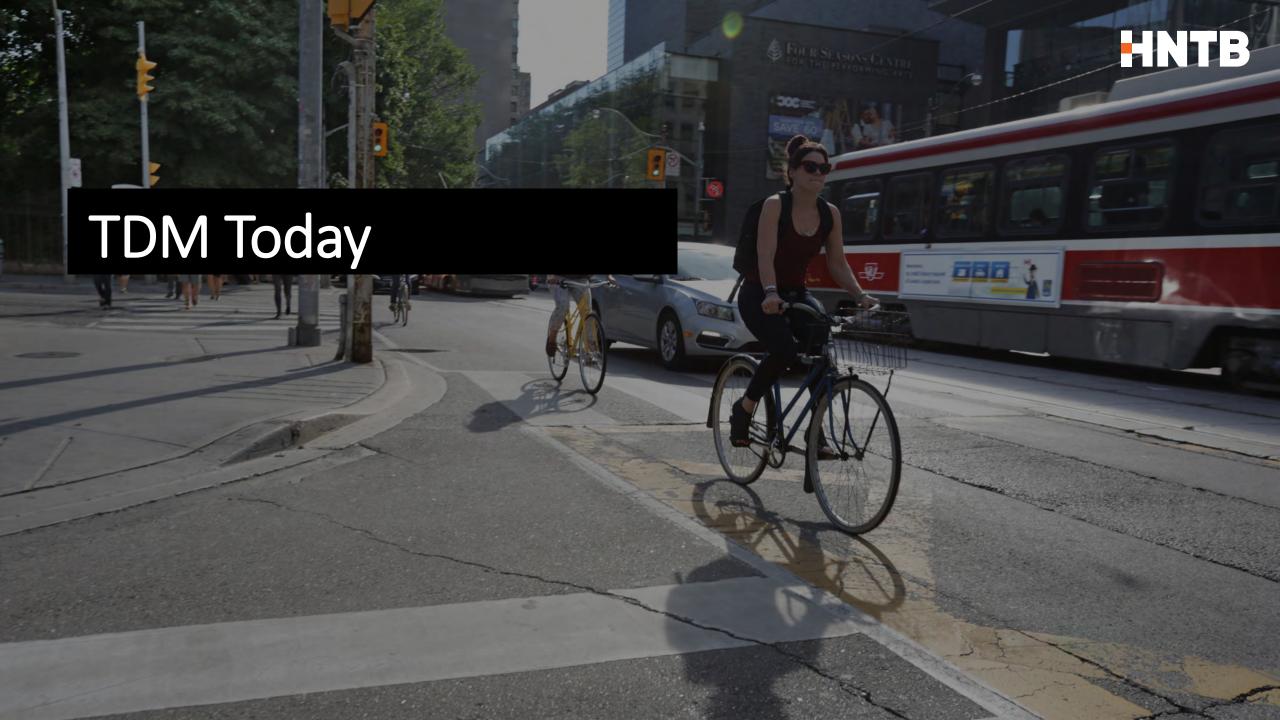
Started third shift and there is no late-night service to get me back home!!



Just moved here and I don't want to own a car...The bus stop is over a mile away!

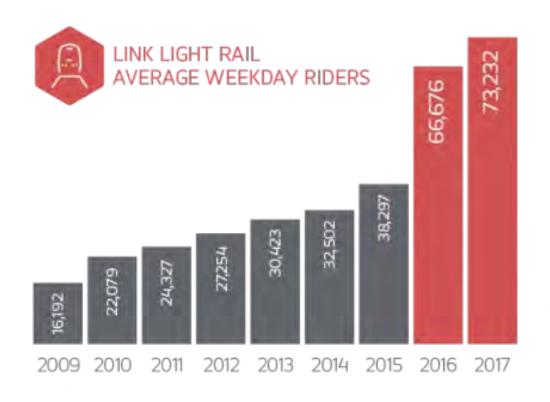


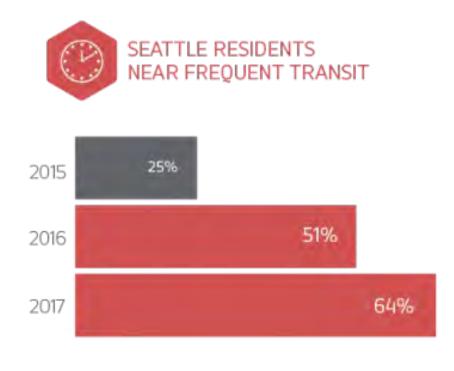




CASE STUDY



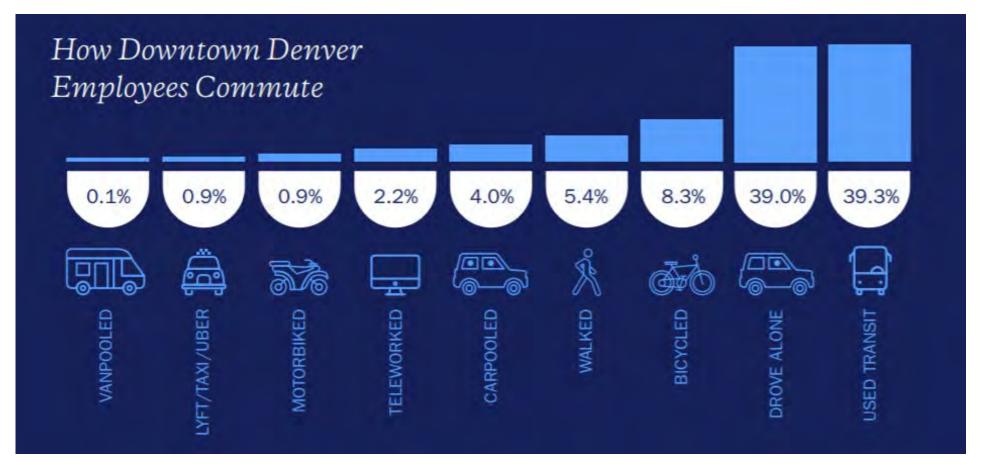




Seattle's invested in transportation toolkits for employers, transit card integration, more frequent transit, and expansive bikeshare program leading to a 91% jump in ridership since 2015

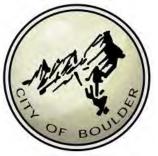






Business Improvement District (BID) invested in walkability, safety, and streetscape improvements to decrease SOVs in the area leading to downtown employment to grow over 20% since 2010

CASE STUDY



City of Boulder







RESULTS:

Drive Alone: 53% to 36%

Parking Demand: ▼ 850+ spaces

City of Boulder adopted the "Eco-Pass" program to cover the cost of employee transit use resulting in major mode shift changes

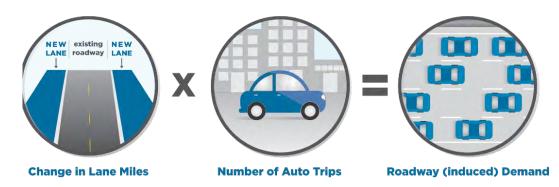
CASE STUDY



Calculating Household VMT per Capita



Calculating Roadway (Induced Demand) VMT



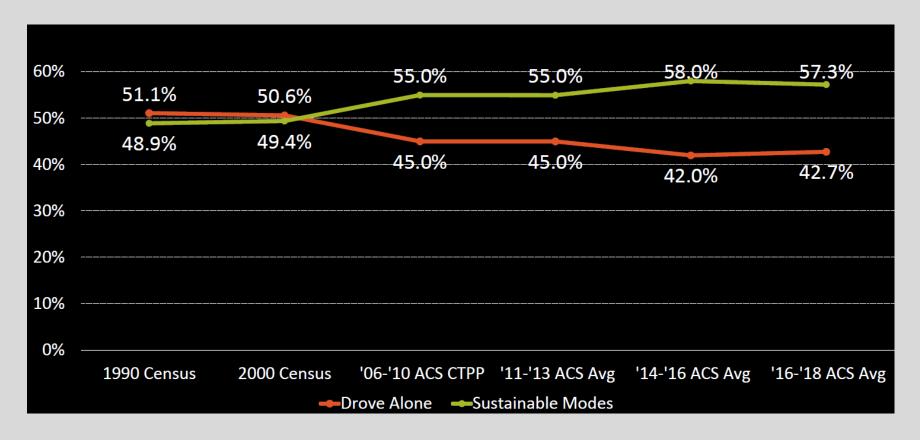
Calculating Employment VMT per Capita



Oaklands TIA guidelines eliminated traditional Level of Service (LOS) Analysis to prioritize safety and performance of circulation and require TDM measures to construct projects



Cambridge made significant employee mode split changes through implementing a parking & TDM ordinance



Development projects in Cambridge...

60% charged employees for parking

85% provided transit subsidy

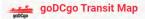
53% provide pre-tax transit benefit

CASE STUDY





Allows you to view all station locations and the number of available bikes and docks, purchase a pass, unlock a bike, and ride right away!



A robust, interactive transit map that shows metropolitan DC's complete bike network. From bike-friendly roads to dirt paths and trails, this handy tool will help you get going on two wheels.



The ultimate transport app that uses open data, mobile, and payment technology to make transport sustainable and hassle free; particularly useful for bike and dock availability.



Helbiz is your new urban mobility partner. Simply tap to instantly unlock, ride, and leave your e-bike anywhere for the next person to use.



You'll be able to get real-time information for all your mobility options anywhere and everywhere you go. Data is sorted by what's most useful at the exact time and moment you open the app.



Web tool identifying bike parking locations throughout the Washington, DC region.



FREE RIDE

Get a FREE pre-loaded SmarTrip card or single Capital Bikeshare ride from goDCgo!



OR



DC PARKING CASHOUT LAW

The DC Parking Cashout Law, also known as the DC Transportation Benefits Equity Act of 2020, requires businesses in DC with 20 or more employees that lease* their parking to either offer a Clean Air Fringe Benefit to employees receiving a free or reduced-cost parking space at work, develop a transportation demand management plan, or pay a Clean Air Compliance fee.

All DC employers with 20+ employees must report to DDOT every other year, regardless of how they handle their parking. *For employers currently leasing parking, the compliance requirements of this Act go into effect once your lease is up (regardless of possible extensions). You must report your temporary exemption to DDOT.

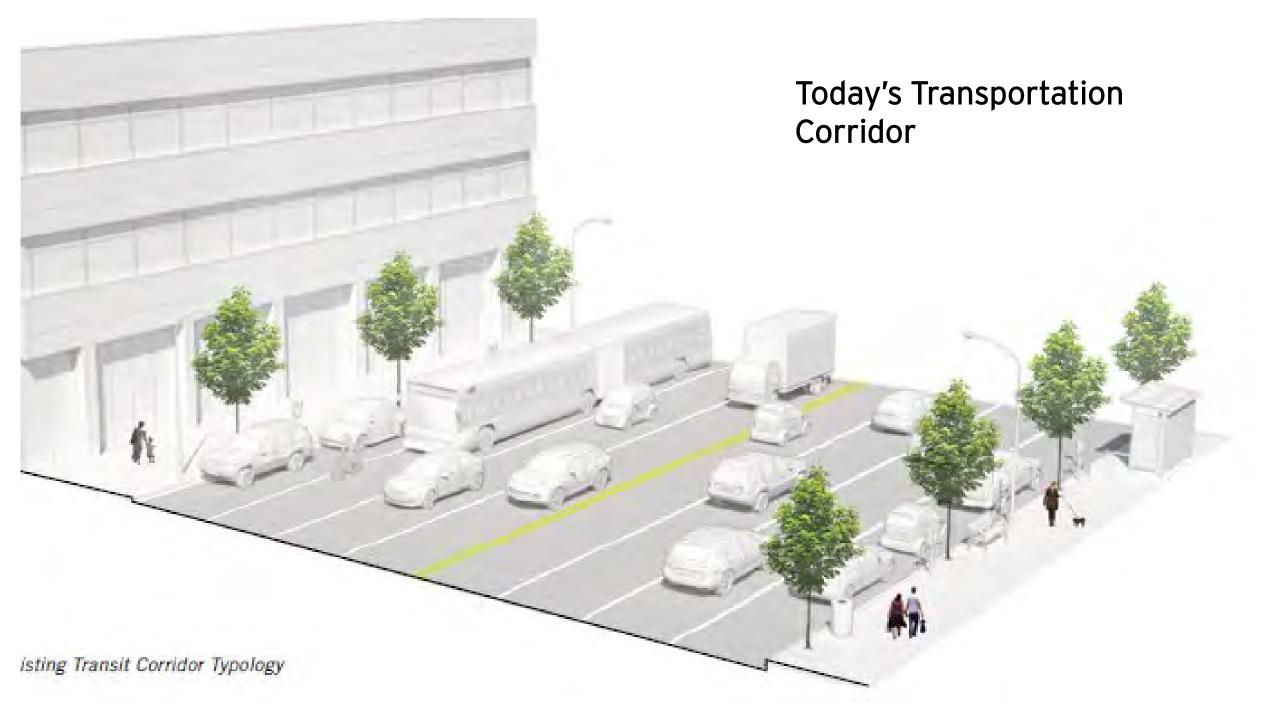


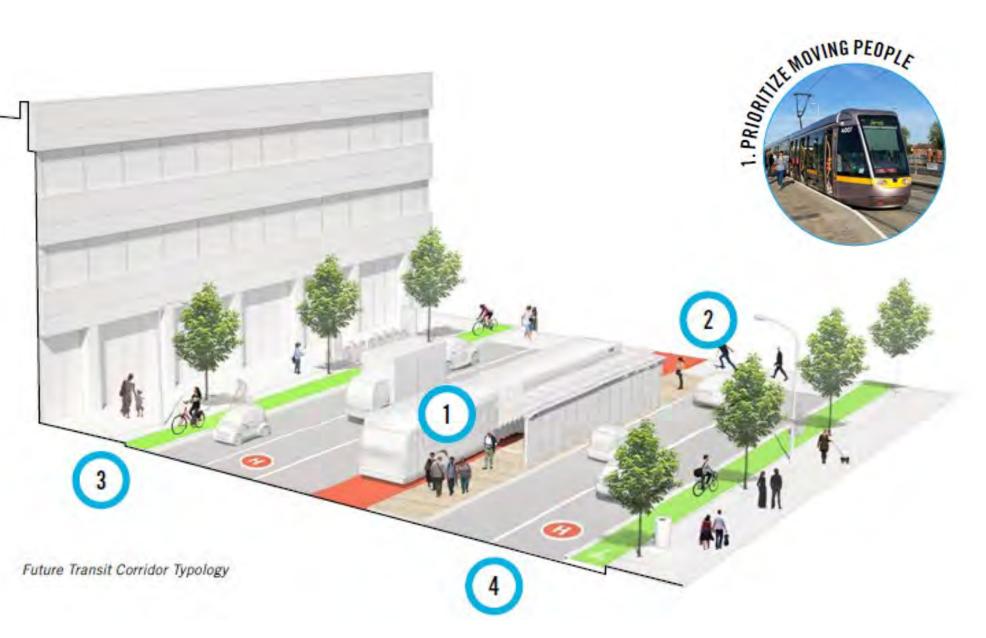
Space Allocation: Streets are a "Public" Resource (Public = for All)











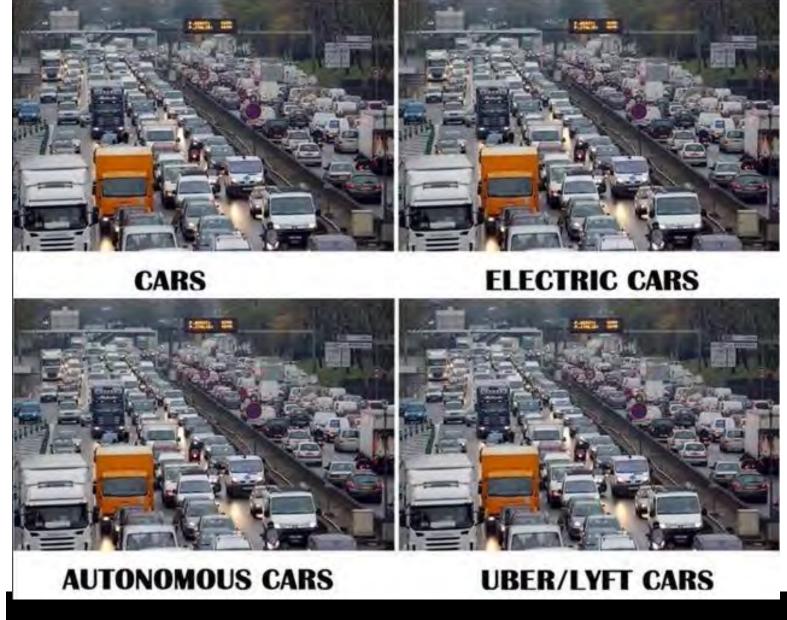






Source: Designing for Future Mobility (Perkins+Will)



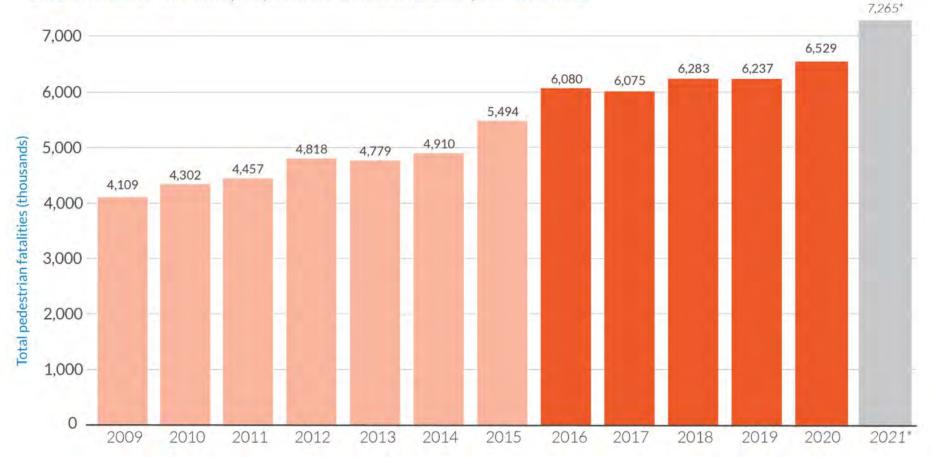


Today's Decisions are Important

Need to Combat Safety Issues

Driving went down in 2020, but deaths of people walking increased 4.7%

2021 deaths will likely represent a historic one-year increase

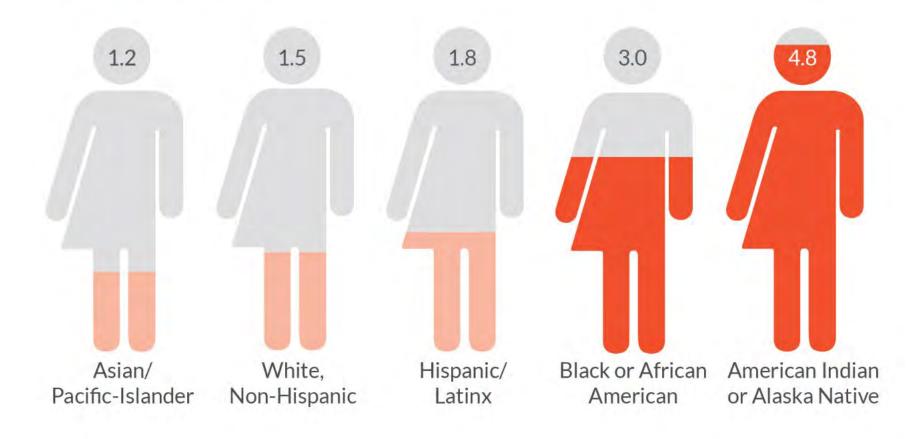


*This estimate for 2021 is produced by applying the 11.5 percent increase for 2021 projected by the Governors Highway Safety Administration (GHSA) to the federal FARS data for 2020 used in this report.

Need to Redress Inequities

People of color, particularly Native and Black Americans, are more likely to die while walking than any other race or ethnic group

Pedestrian deaths per 100,000 by race & ethnicity (2016-2020)



Need to Move Forward in a Positive Direction

No metros in the top 20 are improving

All have gotten significantly more deadly



THE TOP 20

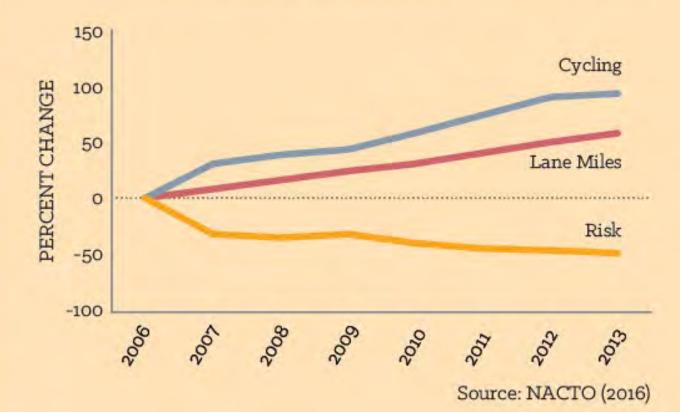
Most dangerous metropolitan areas for pedestrians (2016-2020)





Cycling is getting safer as more people ride.

Aggregate data from Chicago, Minneapolis, New York City, Philadelphia, Portland, OR, San Francisco and Washington, D.C.



Source: Peter Tuckel and William Milczarski, CUNY (2014)

Biking is Better for Business

- Numerous academic studies indicated:
- Bikeways increased sales at local businesses due to increased biking activity (NY East Village)
- Car drivers spent more money on single visits at supermarkets and restaurants, but people arriving via foot, bicycle, or public transit visited these locations more often. (Portland, OR)
- Broad Avenue Art District street transformation generated \$6M+ and sparked over 60 stores since 2010 (Memphis)



Which are the 3 Most Important Areas for Improving Transit Service?



Source: TransitCenter Who's On Board 2019



Physical Activity & Exercise

Exercise is an essential component of a healthy lifestyle. Moderate exercise like pedal and e-biking, and light exercise like riding an e-scooter, have powerful, measurable effects on health.

North Americans gained almost

30 million hours

of additional physical activity

through shared micromobility, by creating new trips and replacing motorized trips:

13.1 million hours on pedal bikes

1.4 million hours on e-bikes

15.2 million hours on e-scooters

INCREASED ACCESS TO JOBS

Studies conducted by the Micromobility Coalition and DePaul University show that access to shared micromobility substantially increases the number of jobs that people can access without a car within a 45 minute commute. For example, Boston residents could access 436,000 jobs in 45 minutes or less through transit and/or walking. However, that number increases by 60% to 696,000 when shared micromobility is added as an option. Below are the increases for a number of other cities.

City	Without Shared Micromobility (Walking and Transit)	With Shared Micromobility (Walking, Transit, and Shared Micromobility)	Increase
Boston	436,000	696,000	60%
Brookline	461,000	721,000	56%
Cambridge	611,000	823,000	35%
Chicago	366,397	385,570	5%
Miami	281,000	394,000	40%
Miami Beach	142,000	176,000	24%
Nashville	46,000	97,000	m%
Seattle	283,000	382,000	35%
Somerville	460,000	775,000	68%



TDM: Housing + Mobility



Oak Street
Lofts
(Portland, ME)

O.22 spaces/unit +
Shared Parking

Paid Bikeshare + Carshare Membership

10-ride Metro Pass



Boulder Junction (Boulder, CO)

Trip Caps (<45% daily vehicle trips)

Free RTD EcoPass

Subsidized Bikeshare + Carshare Membership



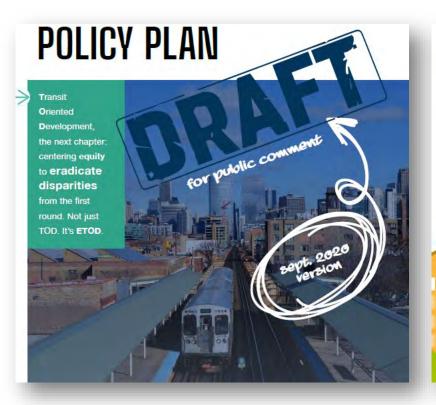
Lloyd District (Portland, OR)

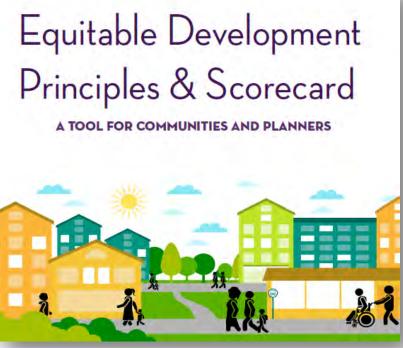
TMA funded by BID + Metro, Parking Revenue

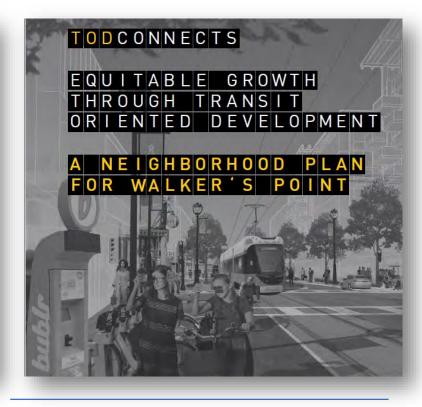
SOV Mode Drop 60% - 40% over 20yrs

Incentives for District residents and employees

TDM: Equity + Housing + Mobility







Chicago ETOD Policy Plan

Amendment to City TOD Ordinance

Make ETOD required and easier to implement

Flexible design requirements and prioritize transit, active mode choices

Twin Cities
Equitable
Development
Principles &
Scorecard

Guideline for Developers to evaluate projects

Applied to West Side Community Plan (St. Paul)

Elevates community input and direction before approval

Milwaukee ETOD + Neighborhood Plan

Spur new TOD opportunities along streetcar

Preserves current residents, businesses

Catalyst for new mobility options along alignment



Commits \$6.35M to affordable housing along future BRT lines

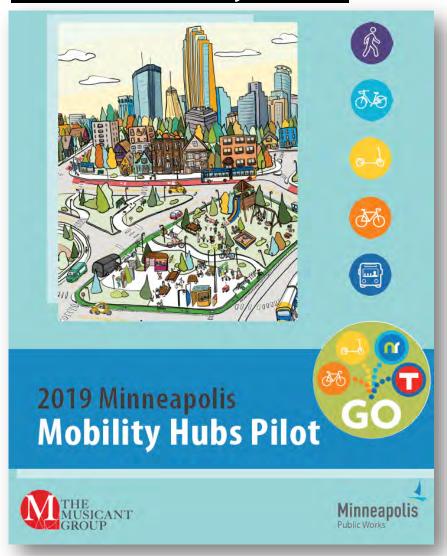


Transit-Oriented Fund to build over 1,000 affordable units along key corridors



Dedicated \$300M to Anti-Displacement support around TOD corridors

TDM: Mobility Hubs



IMPACT

Throughout the pilot, the project team conducted events where they conducted intercept surveys to gather feedback and evaluate the pilot.

64% of users reported that pilot improvements make them more likely to use the transportation options at the hub.

Three key themes emerged when users were asked what would be most important to improve their trip:

- Access to more transportation options
- » Feeling safe
- » Places to sit and gather

Engagement events held at mobility hubs provided opportunity to distribute information on access and appropriate use of shared mobility, which included 285 helmets distributed, 60 test rides given, and over 200 flyers about low income programs distributed.









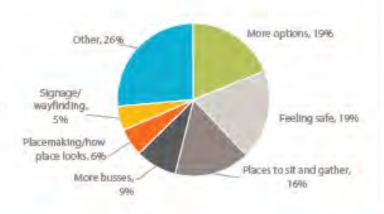








What was most important to making your trip better?



TDM: Partnerships













Caribou Coffee
Bus Shelters
(Minneapolis, MN)



Shared Transit Stop Pilot (Seattle, WA)









540,035

Total mobility trips for analysis

4,391

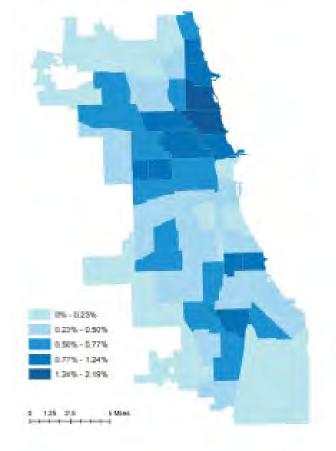
Avg daily trips

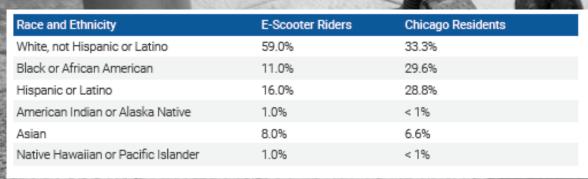
10,735

Most trips in a single day (Sept 5)

23.4%

Share of trips in Equity Priority Area Share of Devices Deployed (per square mile), by Community Area







Fleet Size Bonuses to Companies who serve Low-Income Neighborhoods

Establishing Operating & Equitable Practices (e.g., customer service)

Reduced or Free Start-Up Memberships

Advanced Street Design & Safety Standards



Creating a Culture of Choices

Fast cash commuters

Flexible commuters





"15 Minute City"

