



Smart Growth America
Improving lives by improving communities



**National Complete
Streets Coalition**

Complete Streets responses to COVID-19

The webinar will begin at 1PM ET

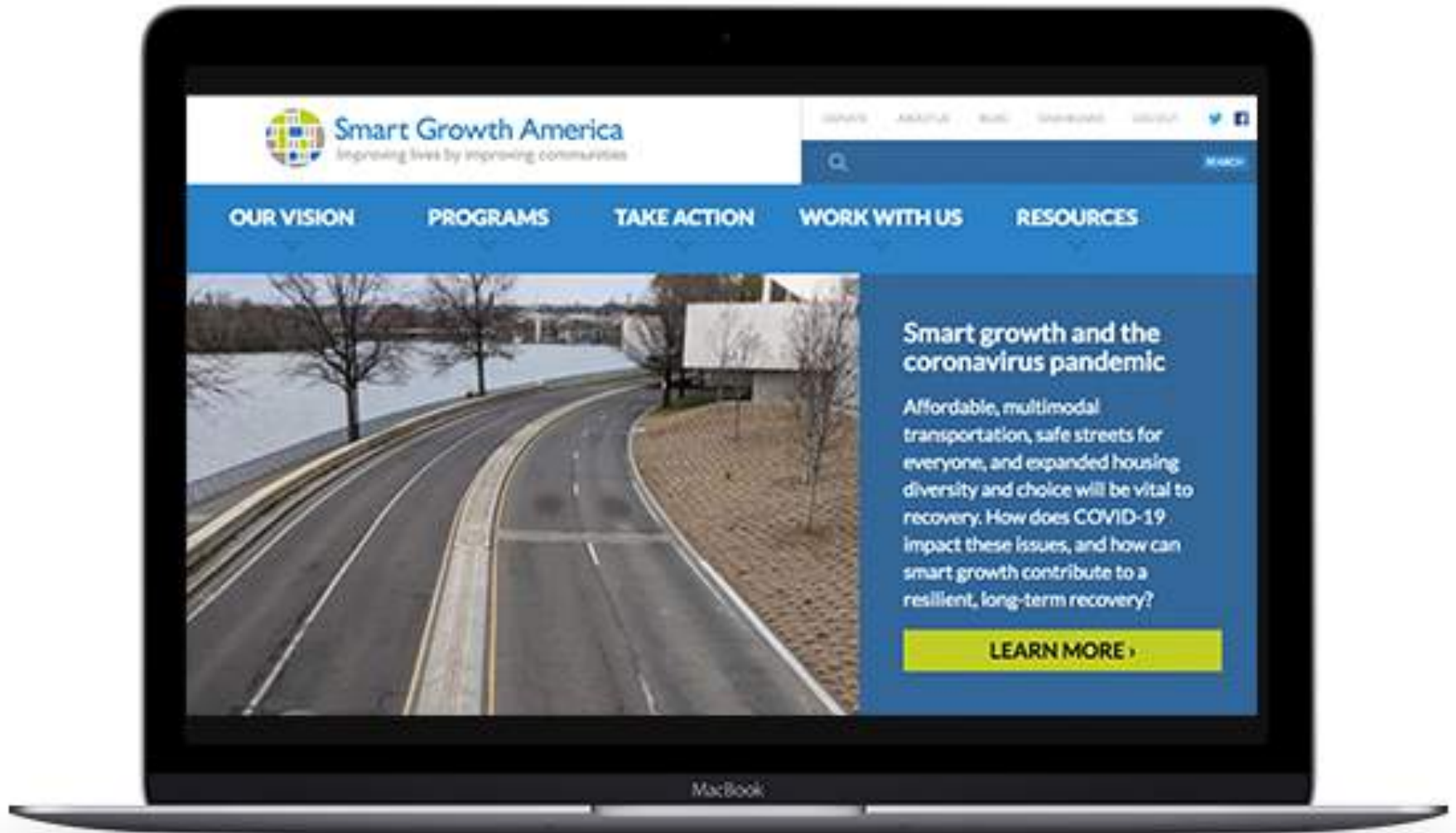


@emikoatherton @CompleteStreets

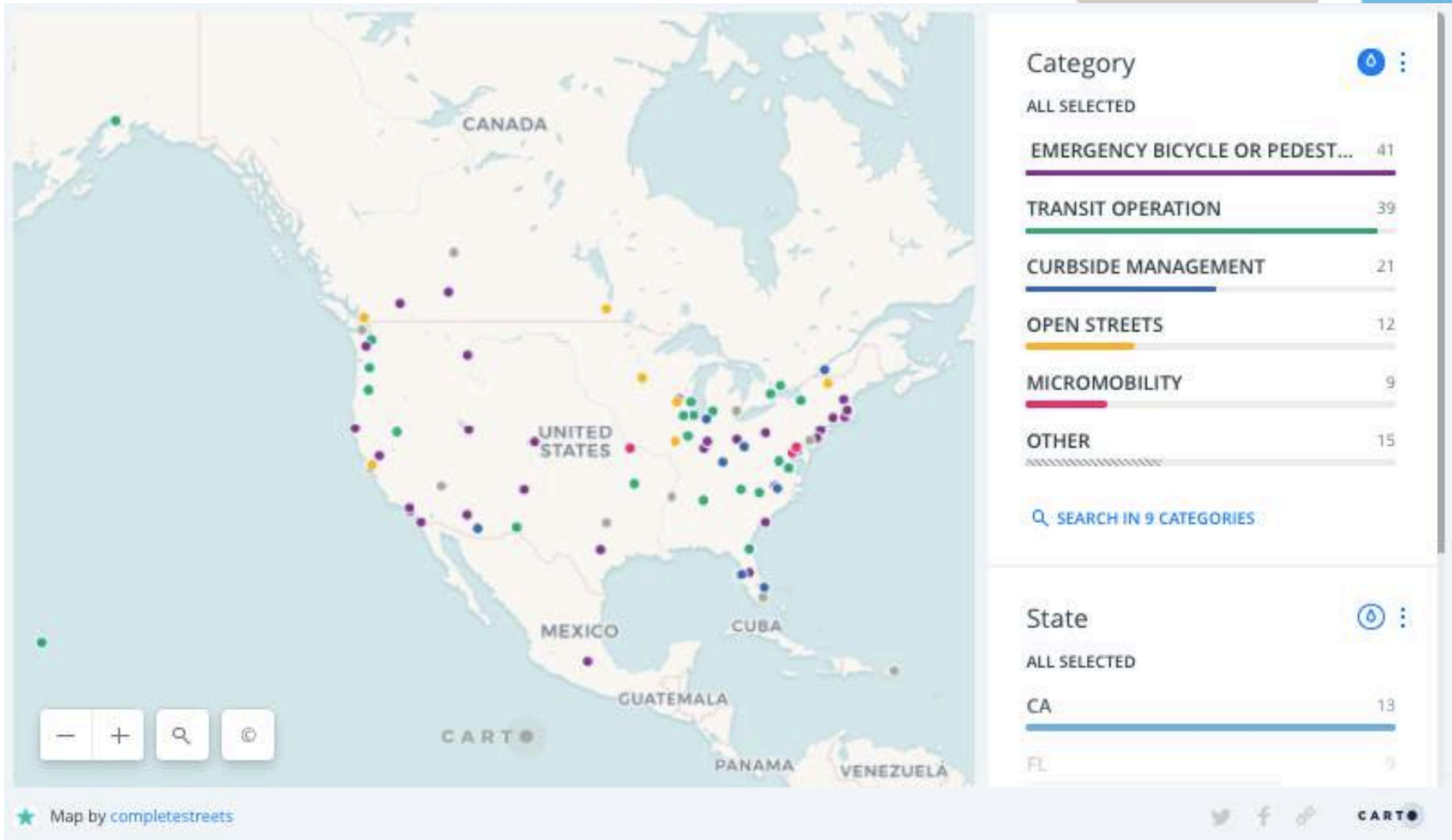
Emiko Atherton

National Complete Streets Coalition

SGA's COVID-19 resources



Complete Streets responses to COVID-19





@MikeLydon @StreetPlans

Mike Lydon

The Street Plans Collaborative

#COVID19Streets

From Response to Recovery



@MikeLydon | @StreetPlans
Smart Growth America Webinar | April 27th, 2020

STREETPLANS

MIAMI

NEW YORK

Tactical Urbanism

An approach to community-building using short-term, low-cost, and scalable projects **intended** to catalyze long-term change.

#COVID19Streets



Two Initial Responses

Chicago



Ashleigh Rezin Garcia / Sun Times

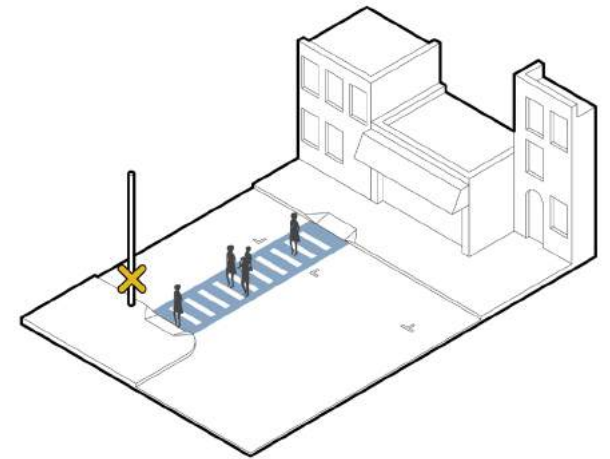
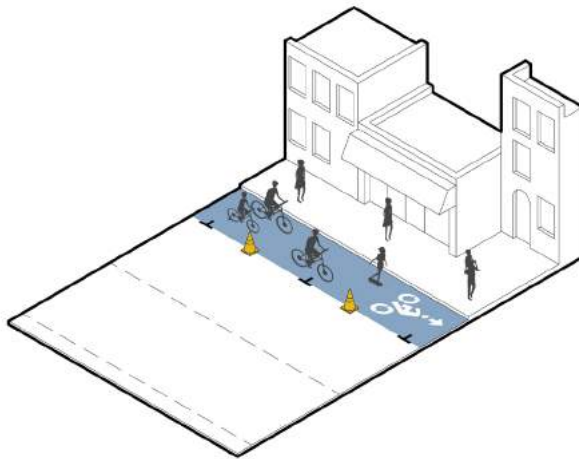
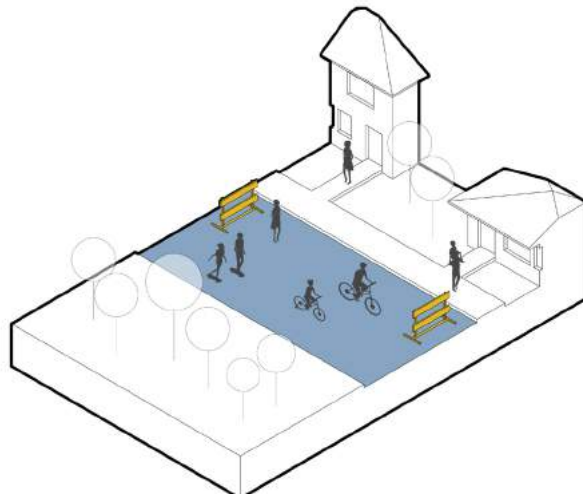
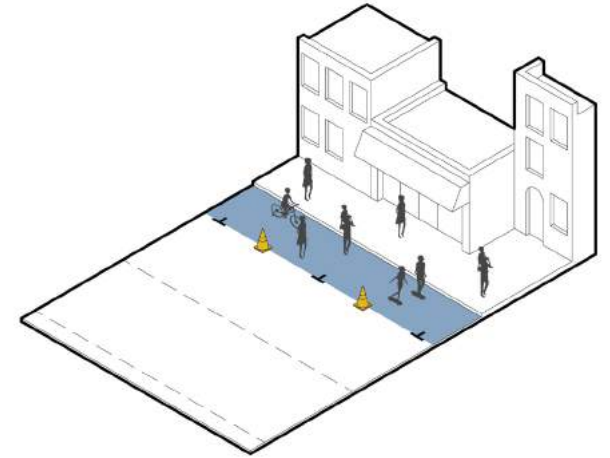
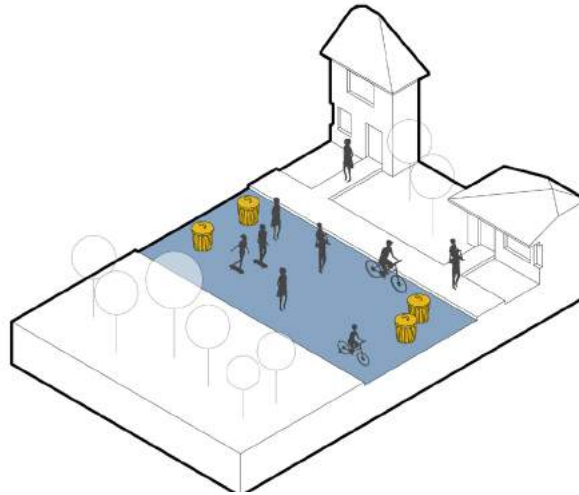
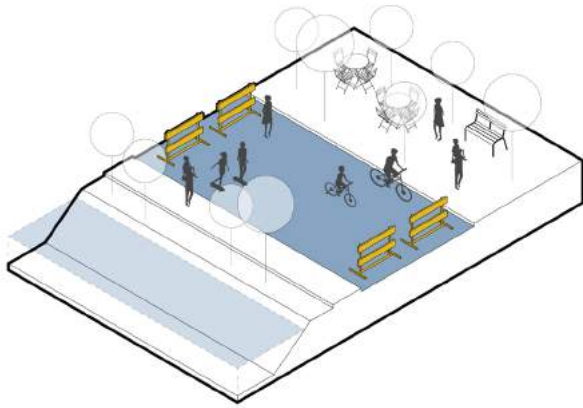
vs.

Denver



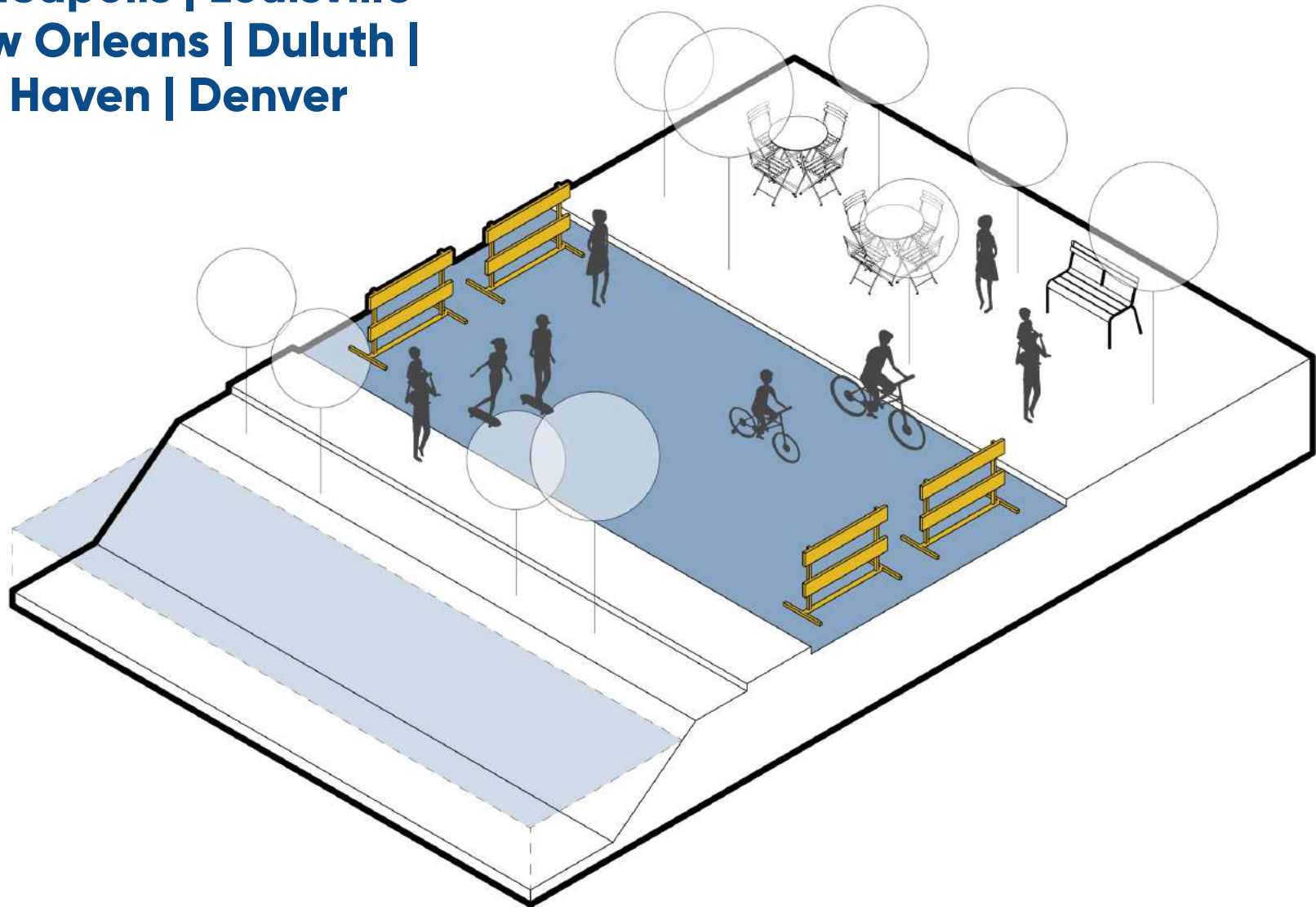
Kevin Sloosh via Twitter

#COVID19Streets Typology



Open Streets

**Minneapolis | Louisville
| New Orleans | Duluth |
New Haven | Denver**





STOP

STOP
ALL WAY

EXODUS
MOVING & STORAGE

DIY Open Streets

Portland | New York City
| Berkeley | Bristol, UK
Washington DC |

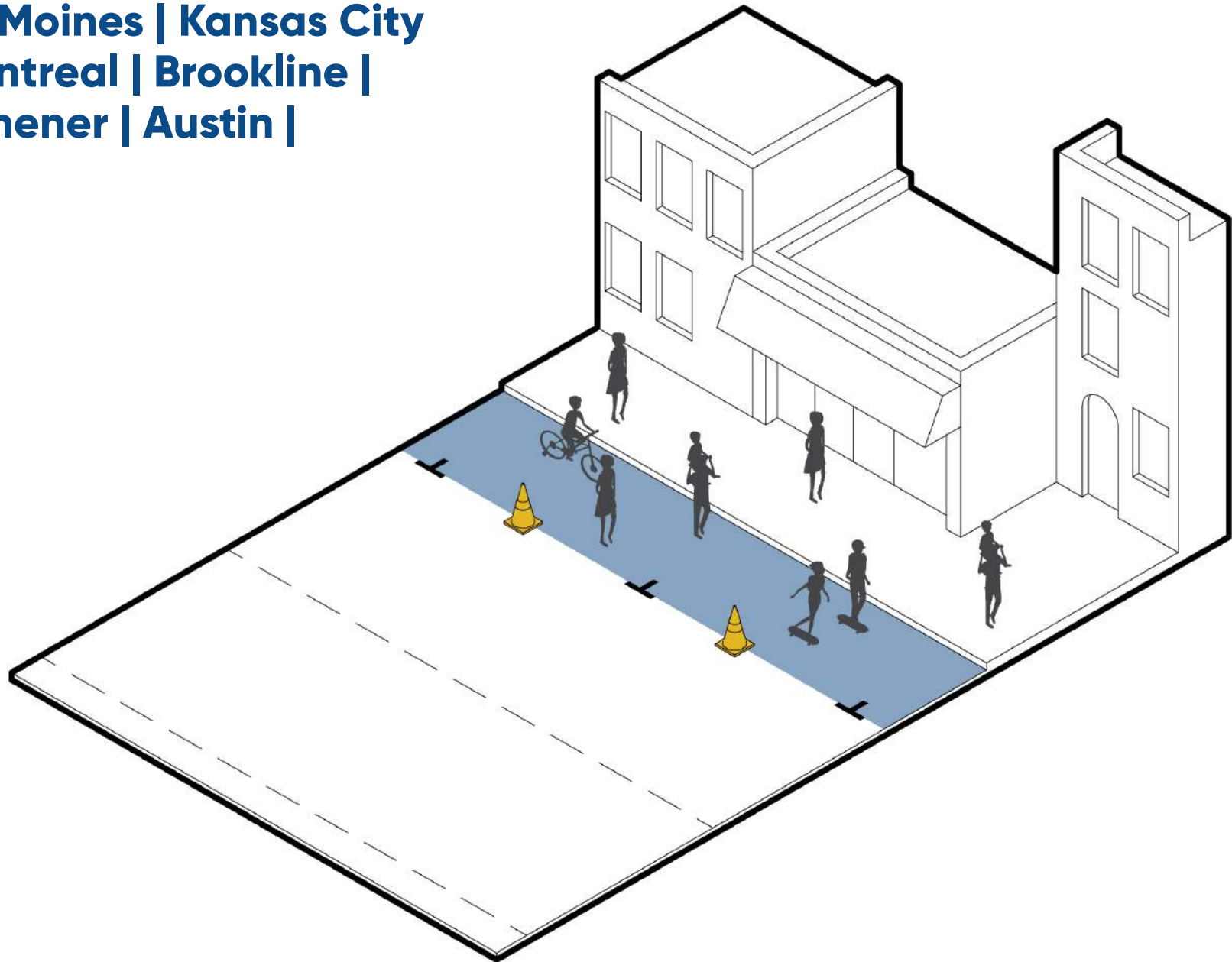




STREET CLOSED
FOR
SOCIAL
DISTANCING

Open Curbs

**Des Moines | Kansas City
| Montreal | Brookline |
Kitchener | Austin |**





Please maintain physical distancing
Help us limit the spread of COVID-19.

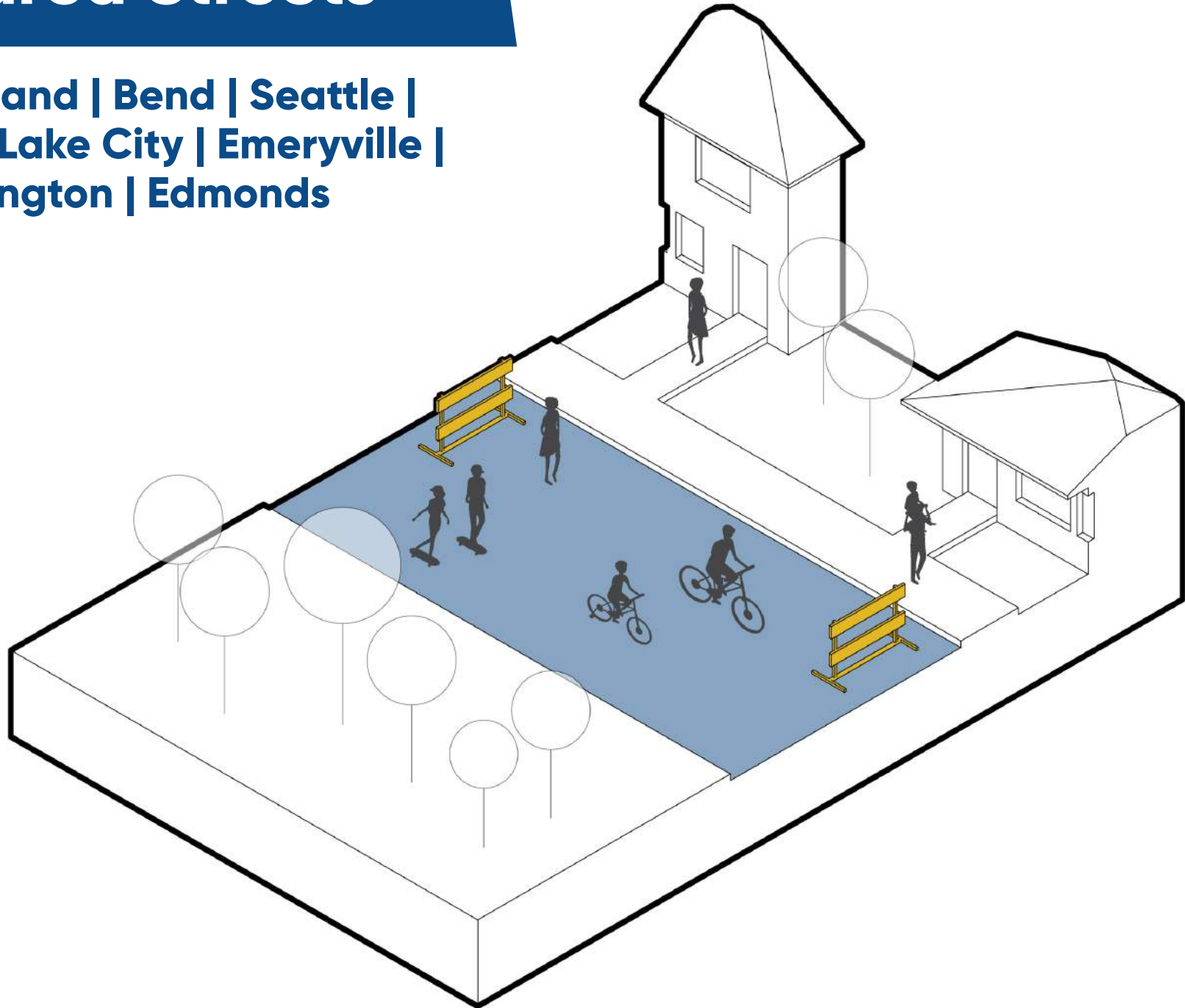


Maintain at least 2 metres between yourself and others.
This is the length of an average bicycle.
Please visit calgary.ca/covid19 for more information.



Shared Streets

**Oakland | Bend | Seattle |
Salt Lake City | Emeryville |
Burlington | Edmonds**



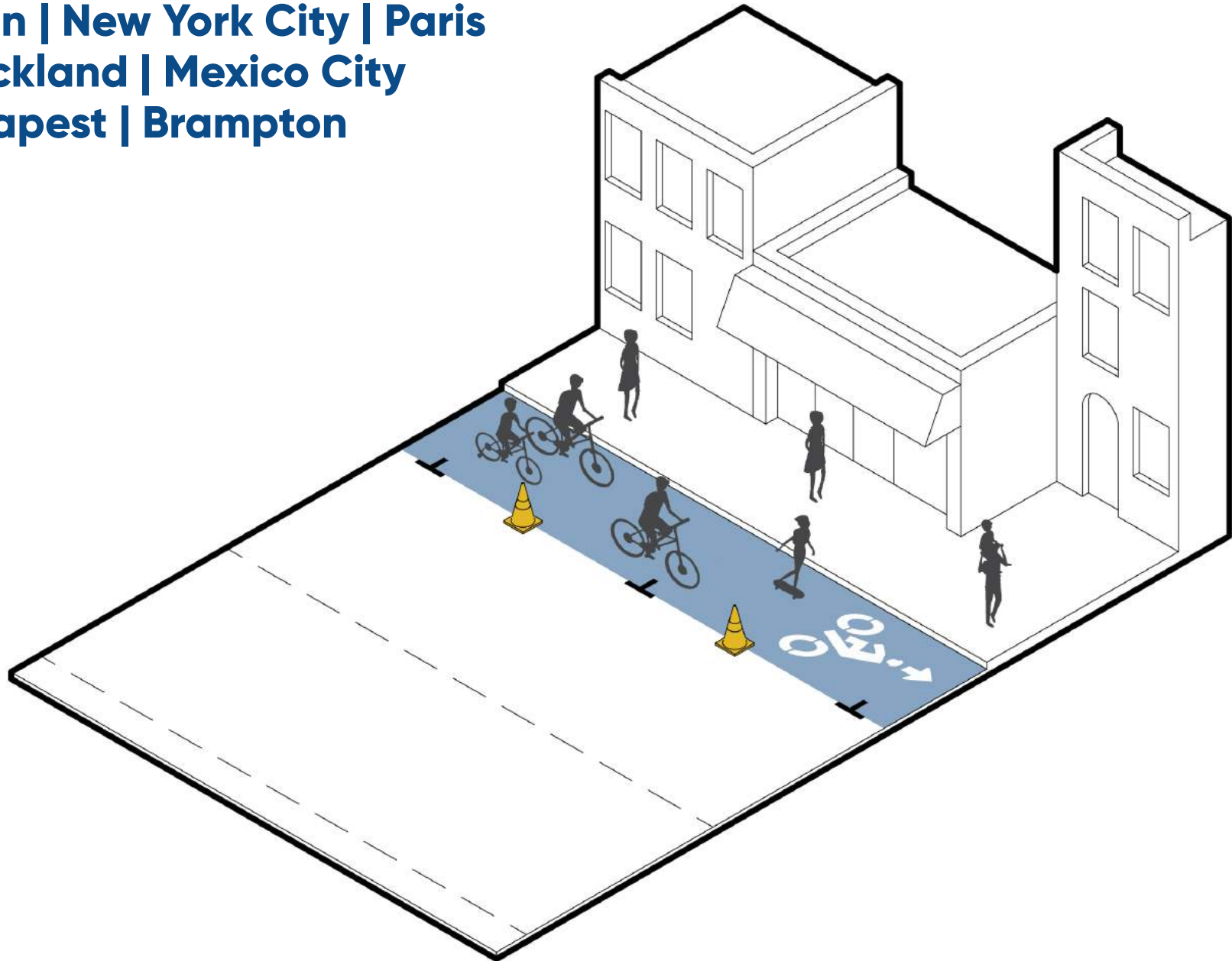


**ROAD CLOSED
TO
THRU TRAFFIC**

TRAFFIC MANAGEMENT INC
800 763.3999
TRAFFICMANAGEMENT.COM

Temporary Bikeways

**Berlin | New York City | Paris
| Auckland | Mexico City
Budapest | Brampton**



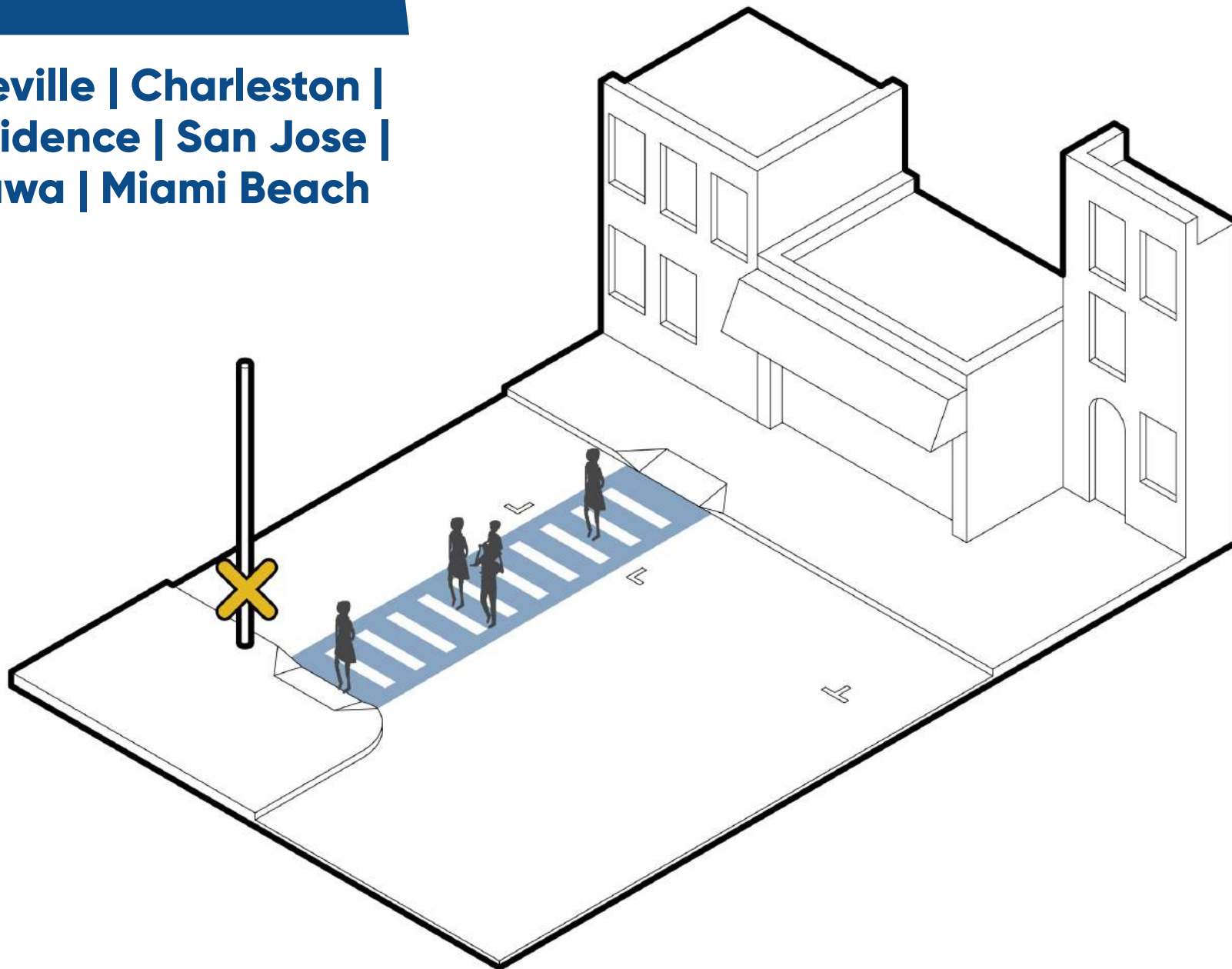


NYC DEPT. OF TRANSPORTATION

NO STOPPING
Anytime

Signal Recall

Asheville | Charleston |
Providence | San Jose |
Ottawa | Miami Beach





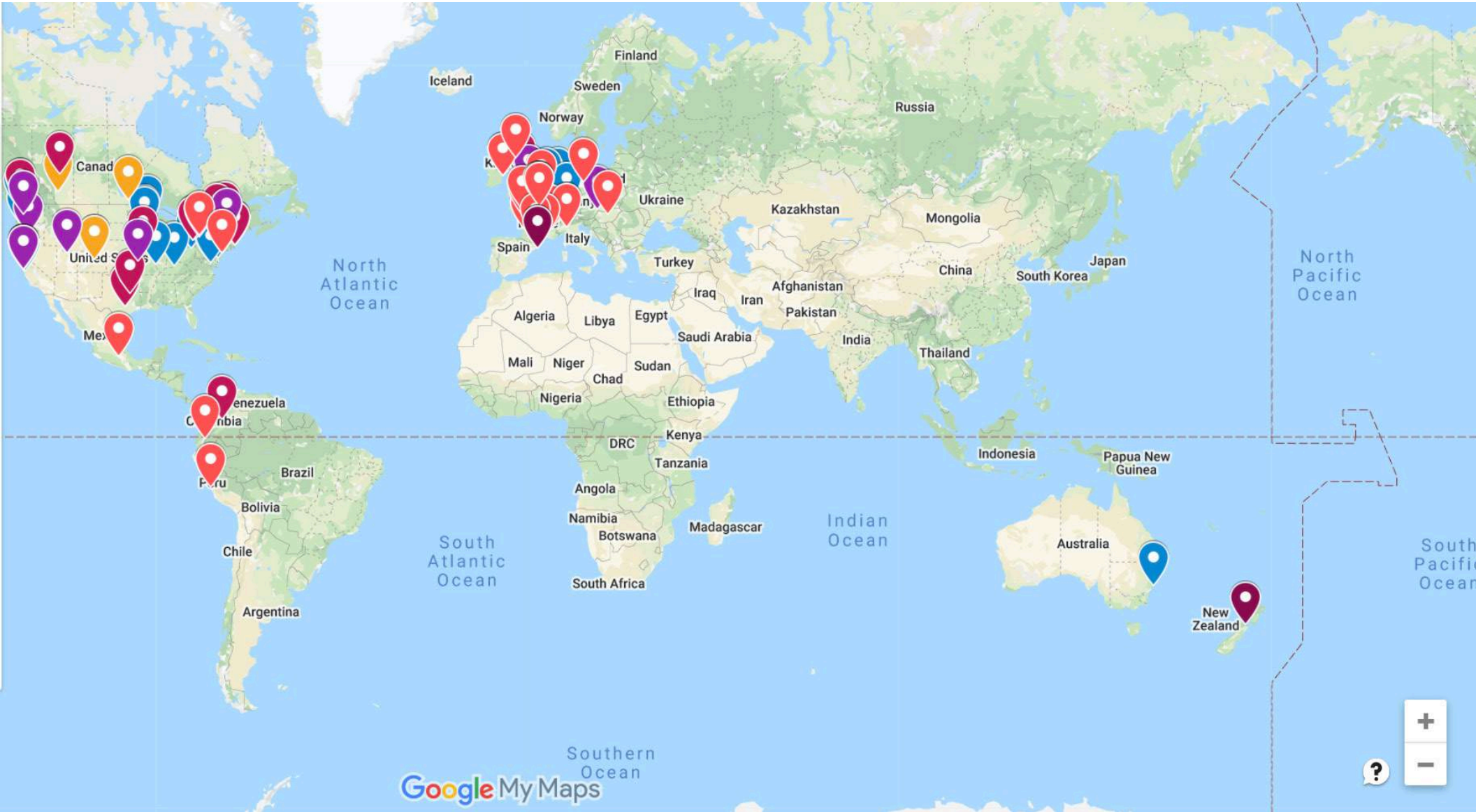
To limit the spread of Coronavirus

Do not push the button.

**This crossing is
now automated.**



Summary Data



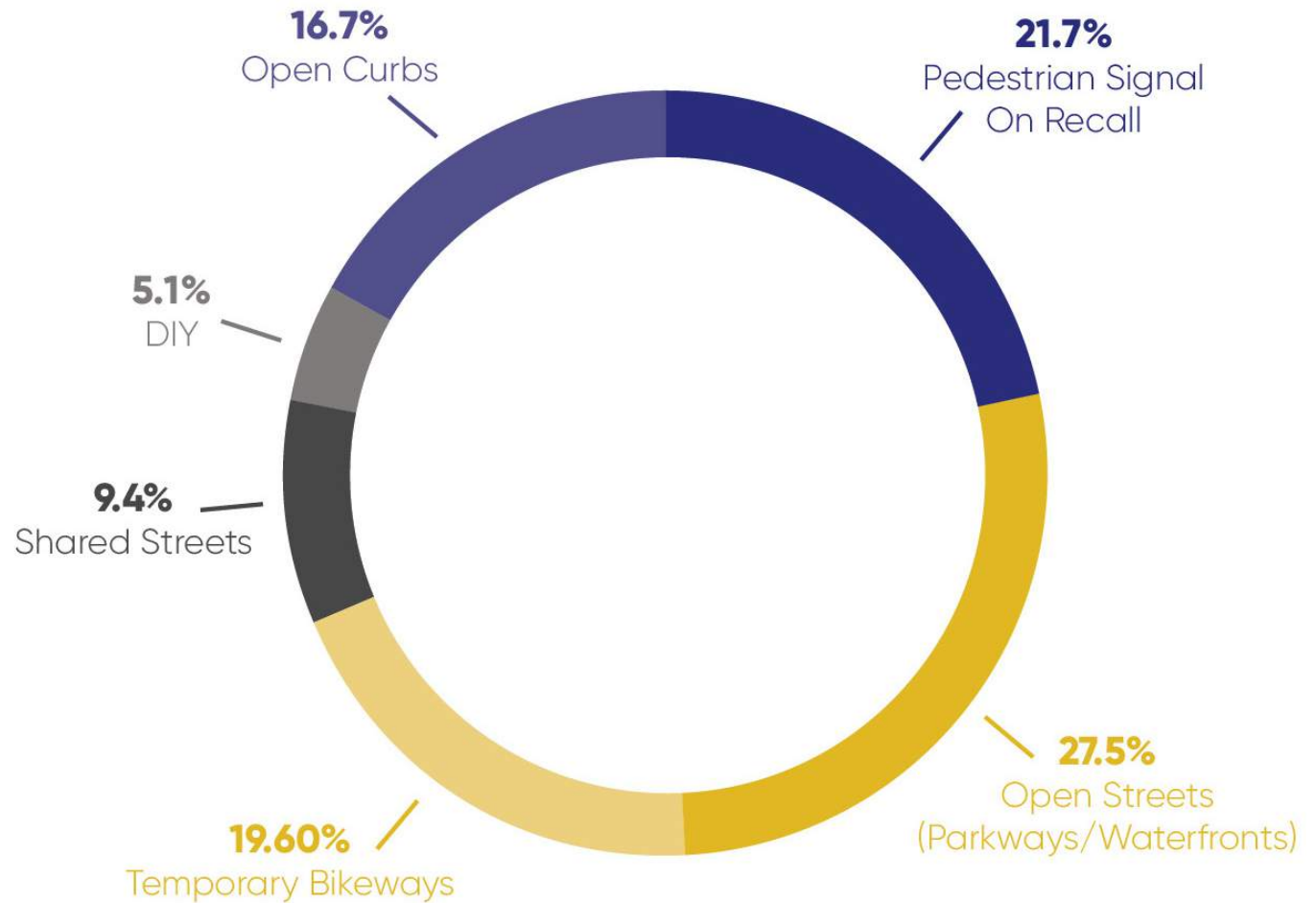
Summary Data

107+
Cities

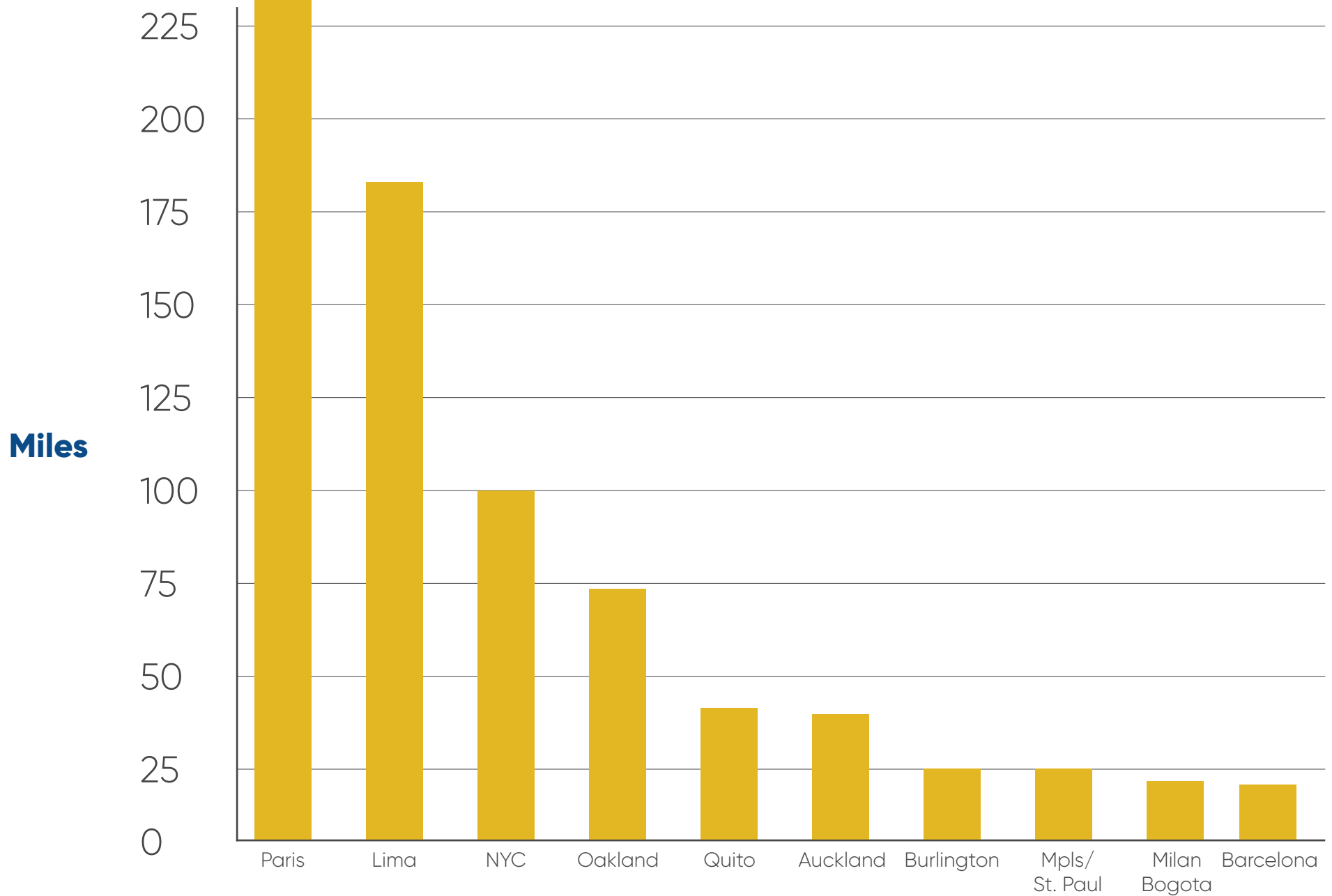
17+
Countries

6
Tactics

141+
Applications



Top 10 Cities (Miles)



31% Applied in Cities with < 250,000

POPULATION < 100,000

Asheville, NC

Bend, OR

Beverly Hills, CA

Brookline, MA

Burlington, VT

Carrboro, NC

Culver City, CA

Duluth, MN

Drummondville, QC

Edmonds, WA

Emeryville, CA

Kamloops, BC

Miami Beach, FL

Nelson, NZ

New Westminster, BC

North Vancouver, BC

Palo Alto, CA

Rueil-Malmaison, FR

Victoria, BC

POPULATION 100,000 - 250,000

Ann Arbor, MI

Arlington, VA

Cambridge, MA

Charleston, NC

Chattanooga, TN

Berkeley, CA

Des moines, IA

Grenoble, FR

Kitchener, ON

Montreuil, FR

New Haven, CT

Providence, RI

Richmond, BC

Schaerbeek, BE

What We Know So Far

- 1 Leadership, responsiveness, and creativity matters most.**

Example: Oakland, CA



- 2 Leading cities meeting the moment by quickly leveraging related programs, fast-tracking plans and/or policies.**

Example: Paris, France



3 Creating “Open Streets” in parks + along waterfronts was most common initial response, but initiatives have since diversified.

Example: Philadelphia, PA



4 Cities with in-house capacity / materials for traffic control are set up to succeed.

Example: Bogota, Colombia



- 5** **Materials: Traffic cones, barricades, MUTCD + bespoke signs, free-standing delineators, variable message boards. Light. Quick. Cheap.**

Example: Cities everywhere



- 4** **Small and mid-sized cities seem as capable as any to act, especially if the previously stated conditions are present. (Leadership. Existing Plans. Capacity).**

Example: Burlington, VT



Social Distancing Shared Streets



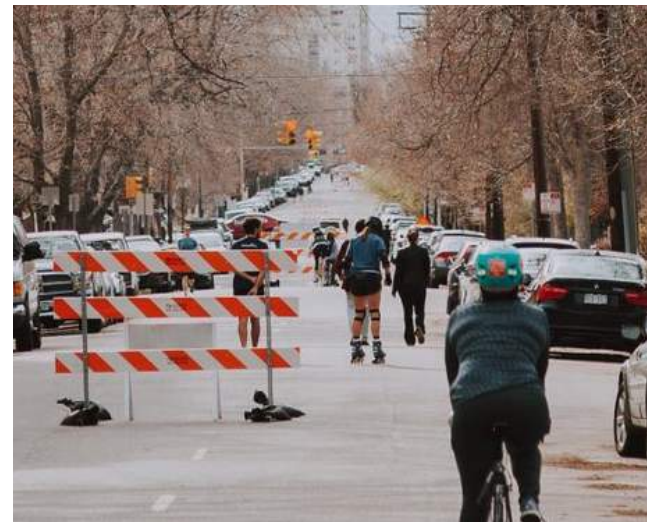
5 Ongoing evaluation + iteration key to performance, identifying potential for mid-to long-term transformation.

Example: Minneapolis, MN



6 Troubling behavior/management issues yet to materialize as feared.

Example: Cities everywhere



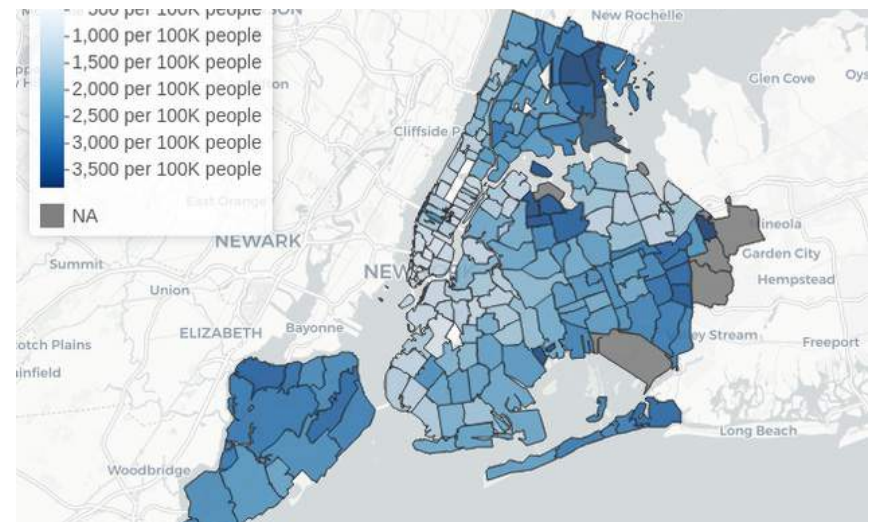
7 Lack of protocol for rapid response (tactical urbanism) initiatives, both bottom-up and top-down.

Example: Cities everywhere



8 Missed opportunities: too little focus on equity threatens future efforts. Only one response explicitly focused on hospitals. What about schools? Neighborhoods that lack open space?

Example: Wollongong, AU





9 Cities are now expanding and extending initial responses, pivoting towards and defining “the new normal.” The next 4 - 8 weeks will be critical in leveraging response tactics into a strategy for delivering more nimble, healthier, inclusive cities.

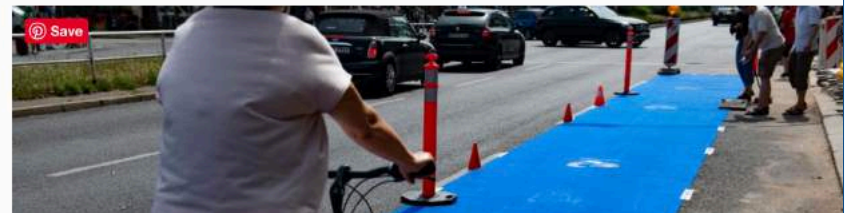
Example: Milan, Italy

New Zealand First Country To Fund Pop-Up Bike Lanes, Widened Sidewalks During Lockdown



Carlton Reid Senior Contributor ©
Transportation

I have been writing about transport for 30 years.



Are We Up To The Task?



Stay Informed. Contribute. Take Action.

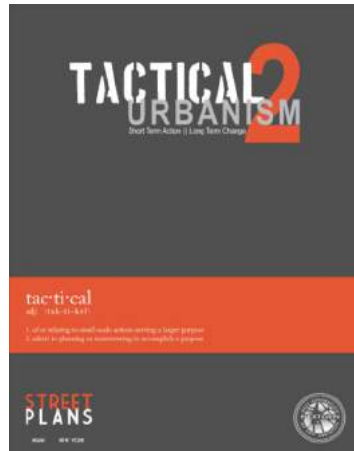
<https://bit.ly/39tRNMI>

COVID19 Livable Streets Response Strategies					
CITY	STATUS	LENGTH	ROUTE MANAGEMENT	NOTES	SOURCES
GLOBAL MAP NOW AVAILABLE (THANKS MARIA SITZOGLU)					
OPEN STREETS (FULL OPENING)					
Open Streets Parkway / Waterfront					
Austin, TX	Active	48 mi / 74 km		W. Riverside Drive opened for social distancing	
Brighton + Hove, UK	Active	1.48 mi / 2.48 km		Two thoroughfares closed to through traffic, open for physical distancing along beach	https://www.brighton-hove.gov.uk/news/2020/march/drive-the-first-road-to-be-allocated-walkers-and-cyclists
Cambridge, MA	Awaiting Full Approval			City of Cambridge, MA endorsed opening Memorial Drive for physical distancing, but awaits DCR approval	https://mass.streetblog.org/2020/04/14/cambridge-opens-memorial-drive-for-physical-distancing/
Cleveland (Metro), OH	Active	6 mi / 9.68 km		Miles of open streets on park drives across the metro region	https://www.cleveland19.com/2020/04/08/cleveland-metro-parks-shifting-open-roads-popular-outdoor-venues-improve-social-distancing/
Cologne, Germany	Active	77 mi / 123 km		Street through a large public park and the Dautz Bridge is now car-free	https://www.stadt-koeln.de/politik/und-verwaltung/massnahmen/2020/04/08/index.html
Des Moines, IA	Active	16 mi / 26km		One block opening adjacent to popular Papajohn Sculpture Park; lanes opened for pedestrian use on two nearby streets (see entry below)	https://www.koni.com/articles-by-city/all-city-transportation-closures-intended-to-encourage-social-distancing/20200412
Duluth, MN	Active	2.5 mi / 4 km		A section of Seven Bridges Road in Lakeside/Lester Park. The City has closed this road to motor vehicle traffic to make it safer and more appealing for cyclists and pedestrians.	https://duluthmn.gov/article
Denver, CO	Active	16.1 mi / 25.9km total, 10.2 miles of roads in city parks	Barricades, signs	Park drives and parking lots closed in 31 parks for a total of 10.2 miles of open streets and 59 closed parking lots, 5.9 miles of city streets opened to people on April 8th. More closures coming in next day or two.	https://www.denverpost.com/2020/04/07/coronavirus-denver-street-closures-parks/
Drummondville, QC	Active	46 mi / 75 km	Signs	Rue de Pont and bridge closed to vehicular traffic linking both sides of the river/park/urban core	https://www.local30.com/2020/04/05/le-pont-est-ferme-contre-le-covid-19/
Leffelt, Belgium	Active	0.5 mi / 80m	Barricades, lower post, signs	A section of avenue Charles de Gaulle next to Elanq de l'Avance/Flagay was closed for car traffic and opened for others	https://twitter.com/leffeltvandaag/status/1265014611480015488
Kempeor, BC	Active	1.4 mi / 2.25 km		Ring road around McArthur Island Park closed to vehicles	
Kansas City, MO	Proposed	TBD		Lighting the normal block party permit, neighborhoods apply to open their own streets.	
Kitchener, ON	Active	0.9 mi / 1.5 km		Parking access banned at major natural area/park system	
London, Ontario	Active	06 mi / 12 km		Blashford Bridge closed to vehicles, facilitating active recreation distancing linking two trails systems on either side of the Thames River	https://www.london.ca/newsroom/PressReleases/physical-distancing-measures.aspx
Louisville, KY	Active	11 mi / 17.7 km		Park roads within three signature Olmsted parks have gone car free	https://www.local30.com/2020/04/07/coronavirus-denver-street-closures-parks/
Metro Boston	Active	5.81 mi / 9 km		Park roads closed within certain DCR parks across metro Boston area, including 8 miles across two segments in the City of Boston.	https://mass.streetblog.org/2020/04/09/dcr-closes-some-boston-park-roads-to-vehicle-traffic/
Minneapolis, MN	Active	20.32 mi / 32.7 km	Barricades, signs	Focused on parkways along the Lakes and the Mississippi, partial and full open streets in effect March 27th - May 2nd; has since expanded to numerous parkways around the city; parkway routes have been altered with additions and subtractions; changes constitute increases in total mileage of 18.1 to 20.32	https://www.minneapolisstreets.org/news/2020/03/26/minneapolis-park-and-recreation-board-announces-physical-distancing-and-road-closures-to-help-keep-minneapolis-social-distancing/
Montgomery County, MD	Active	1.1 mi / 1.7 km		Leveraging/piloting an expansion of the weekly Sunday closure of Sligo Creek Parkway April 3-5	https://www.montgomery-county.gov/2020/03/montgomery-county-closes-part-of-sligo-creek-parkway-for-more-recreation-space-during-covid-19/
New Orleans, LA	Active	5.0 mi/8 km	Barricades, signs, some law enforcement	Lakeshore Drive, between Shafter 1 and the Sadruck Bridge is closed to motor vehicles (except residents living on the roadway) from 8am on Fridays through 5am on Mondays. Additional road corridors are being reviewed.	
New York City	In the works	85 mi / 13.7 km	TBD	Due to vehicular tailgating, the NYPD is closing Shore Boulevard in Queens; pedestrians will be allowed to utilize the roadway for distancing.	https://www.nyc.gov/html/dot/html/traffic/Queens-closes-a-block-on-shore-boulevard-100992020-01e
Palo Alto, CA	Under Consideration	TBD			
Pittsburgh, PA	Inactive	1.36 mi / 2.19 km	Barricades, signs	Highland Park's Reservoir Drive was closed to cars from 2-5pm on Saturday, April 4 and Sunday, April 5, part of Bike PGH's Social Distancing Fitness Zone proposal	https://theportland.org/2020/03/26/bike-pgh-social-distancing-fitness-zone-proposal/
Portland, OR	Active	7.5 mi / 12 km		Roadways closed in 10 parks citywide	https://www.portland.gov/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
Philadelphia, PA	Active	4 mi / 6.4 km		Park setting MLK Drive is closed Sunday April - October; city leveraged this route for Coronaviruses	https://www.philly.gov/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
San Francisco, CA	Announced / Under Consideration			Great Highway segment, between Stock and Lincoln Way, on the west coast of San Francisco / along Ocean Beach, closed on Sunday 4/12 for physical distancing exercise; possibility of full-time extension; A segment of Twin Peaks Blvd, at the top of SF's highest peaks, closed through May 2020 to test new car-free configuration.	https://www.sfgov.org/news/transportation/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
Schaumburg, BE	Active	0.5 mi / 80m	Barricades, signs	Van Volferthaven temporary closed	https://www.schaumburg.be/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
St. Louis, MO	Active	3.94 mi / 6.34 km		Street segments within Forest Park and Tower Park are close to vehicles, open to people	https://www.kansascity.com/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
St. Paul, MN	Active	4.03 mi / 7.83 km		Four streets along park edges/bodies of water are closed to vehicular traffic, open for active transportation	
Stuttgart, Germany	Active	2 mi / 3.21 km		Open Street along the banks of the Neckar river, linking two large parks	https://stuttgart.de/aktuelle/2020/03/27/032703099220
Sydney, AU	Active	3.7mi / 5.8 km		Roads within Centennial Parks will be closed to vehicles, open to people over four-day holiday, weekend	
Vancouver, BC	Active	10.42 mi / 14.59 km		All roads within Stanley Park are now car-free; Beach Avenue to Burrard Bridge has one lane open for physical distancing	https://www.vancouver.ca/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
Victoria, BC	Active	1.42 mi / 2.28 km		One parking lane covered along Dallas Road for distancing; roads within Beacon Hill Park restricting motor vehicle access	
Washington DC	Active	7.15 mi / 10.6 km		Streets within Rock Creek, Fort Dupont, and Anacostia Park will be open to human use through April 30th	
Residential / Commercial Streets					
Aotearoa, New Zealand	Announced	TBD		Covid-19 is having a significant impact on our transport systems and services. The Innovative Streets programme can make a contribution by providing councils with an opportunity to adapt their streets to better support active and safe transport needs, while following official advice about people movement.	https://www.rts.govt.nz/covid-19-and-our-transport-systems/
Calgary, AB, Canada	Active	3.75 mi / 6 km		9 street segment closed as pilot for March 29/29. Locations not announced, to avoid overcrowding	https://calgaryherald.com/news/local-news/city-to-test-weekend-road-closures-to-help-calgarians-keep-their-distano
Emeryville, CA	Active	06 mi / 1 km		Converted two short blocks of Doyle Street/Bike Boulevard into car-free streets, linking to Emeryville Greenway	https://www.emeryville.gov/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/
Denver, CO	Active	16.1 mi / 25.9km total, 5.9 miles in residential/commercial context	Barricades, signs	Park drives and parking lots closed in 31 parks for a total of 10.2 miles of open streets and 59 closed parking lots, 5.9 miles of city streets opened to people on April 8th. More closures coming in next day or two.	https://www.denverpost.com/2020/04/07/coronavirus-denver-street-closures-parks/
New York City	Re-Announced	75+ mi / 126+ km		Four pilot streets in four boroughs announced 3/25, pilot to last through Monday, 3/30 and then re-announced. UPDATE: Plush removed and heavily criticized for heavy police presence. UPDATE: City council is taking legislative action to open streets, reversing the Mayor's previous refusal to do so. Starting Monday, April 6, 2020, vehicle restrictions on the four streets designated bicycle/active transportation routes will be in effect from 8 am - 8 pm. These streets have been available for bicyclists	https://www.10news.com/story/news/2020/04/07/city-closes-park-roads-to-vehicles-to-keep-people-safe-during-covid-19/

WWW.TacticalUrbanismGuide.com



North America (2011)



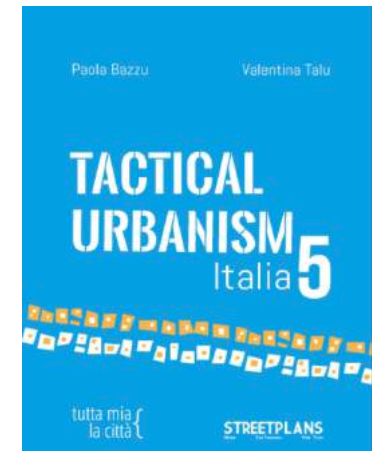
North America (2012)



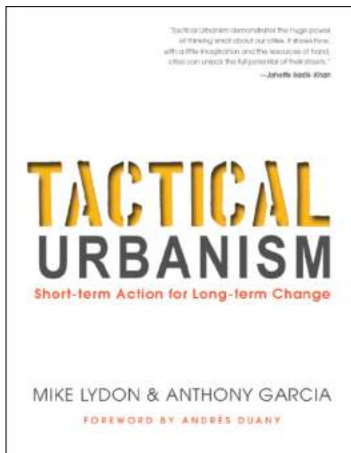
South America (2013)



Australia / NZ (2014)



Italy (2017)



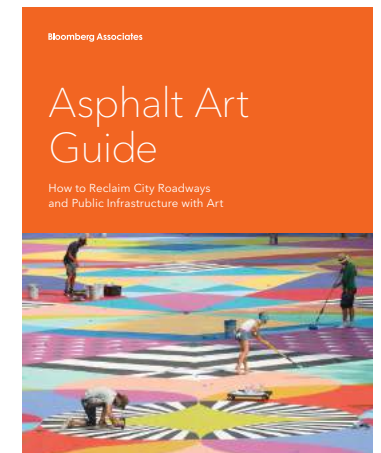
Island Press (2015)



North America (2016)



North America (2019)



North America (2019)

Thanks!

@mikelydon

@streetplans

street-plans.com





@rchonthego @CityMinneapolis

Robin Hutcheson

City of Minneapolis, Public Works



Smart Growth America
Improving lives by improving communities



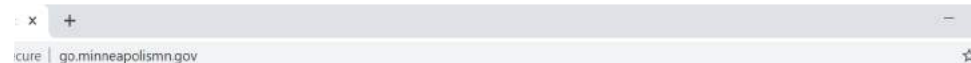
National Complete
Streets Coalition

Streets as Opportunity During COVID-19

Robin Hutcheson, Public Works
Director
City of Minneapolis

Draft Transportation Action Plan

- 22% of land area in city
- Streets
 - Are places for people
 - Are an invaluable asset for leverage broader outcomes
 - Reflect our values
 - Create a more sustainable, equitable, safe, and prosperous city



CITY OF MINNEAPOLIS Draft Transportation Action Plan

#gompls

Draft Plan Released

[Download the PDF](#)

The Minneapolis Transportation Action Plan is how we will get there.

[READ AND COMMENT NOW](#)



Goals

Climate



Safety



Equity



Prosperity



Mobility



Active Partnerships



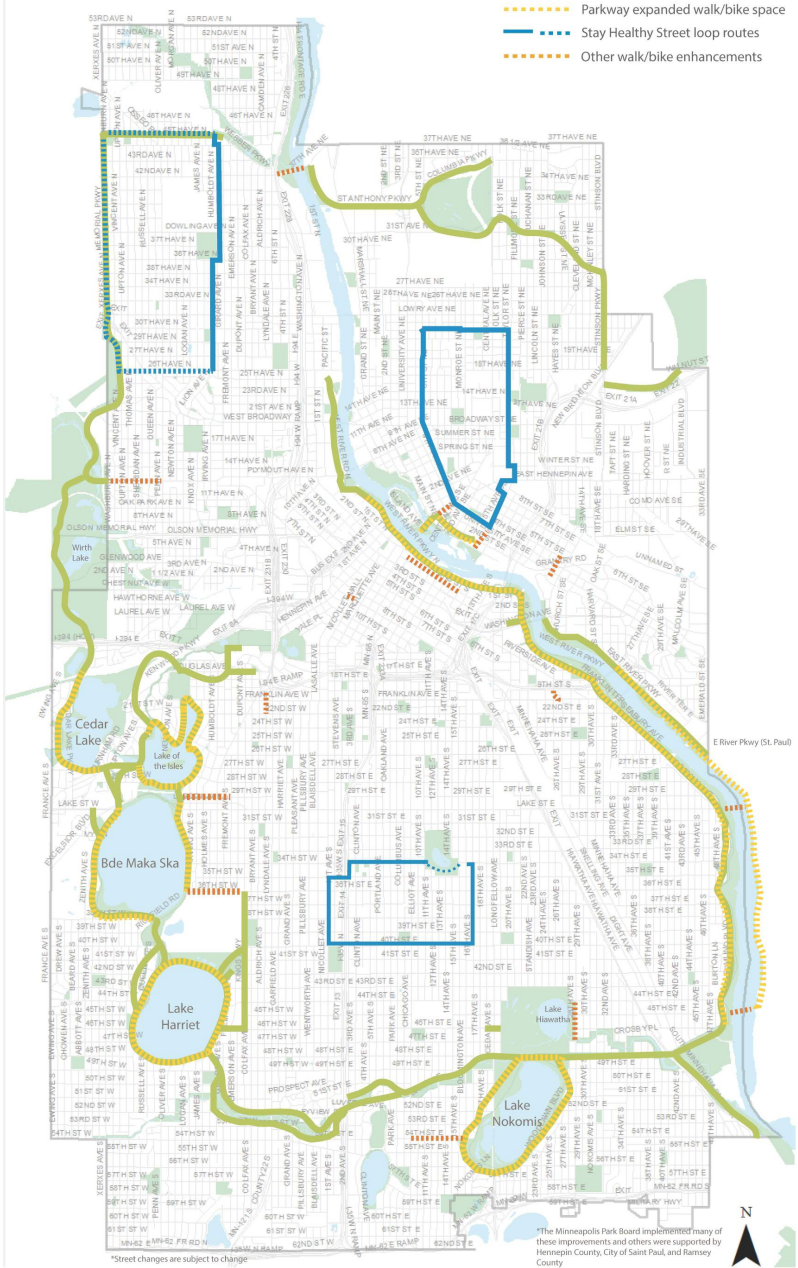
Opportunities

- Leverage partnerships for broader outcomes
- Create safe spaces for people
- Support economic prosperity
- Accelerate action plan goals, improve walking
- Provide equitable opportunities
- Demonstrate Transportation Action Plan concepts
- Continue and accelerate the 2020 work program



Street changes to support comfortable walking, biking and rolling while social distancing during the COVID-19 emergency

- Parkways
- - - Parkway expanded walk/bike space
- - - Stay Healthy Street loop routes
- - - Other walk/bike enhancements



*The Minneapolis Park Board implemented many of these improvements and others were supported by Hennepin County, City of Saint Paul, and Ramsey County.

*Street changes are subject to change.

GRAND ROUNDS NATIONAL SCENIC BYWAY



The Grand Rounds National Scenic Byway

Legend:

- P** Parking
- MTB** Mountain Biking
- H** Hike
- C** Canoeing
- G** Golf Course
- AP** Minneapolis Public
- AC** Recreation Center

Path Distances Around Lakes:

Lake Nokomis	3.23 miles
Lake Harriet	3.35 miles
Lake Calhoun	3.33 miles
Lake of the Isles	2.83 miles
Cedar Lake	1.88 miles

Path Distances Around Lakes:

Phyllis & Walker Parkways	1.85
Ward Parkway	2.54
Shelby Parkway	2.93
Wilbur Barry Parkway	3.4
Minnehaha Creek Lake Harriet to Harriet	4.82
Gayley Parkway	5
Vaux Ave & James L. Rice Parkways	7.00
St. Anthony Parkway (St. Vincent Park)	2.4
Summit Parkway	3.1
Bellevue Parkway	3.1

Scale: 0 1/4 1/2 1 mile

Information, photos, and detailed maps are available at www.minneapolis.gov

Byway End and Park Signage:

- Please do not litter.
- Help us preserve the Scenic Byway by not picking flowers or collecting plants of any kind.
- Be friendly and courteous.
- Observe the road.
- Please observe the 25 mph speed limit on the parkway.
- Please use designated lake and parking areas.
- Allow walk or run on the right pass on one way.





NO
PARKING
↔

Walking
Wheelchair
Stroller



EXPANDED PEDESTRIAN AND BICYCLE SPACE

STAY SAFE

Mantenerse a salvo

Nyob kom txhob muaj mob

Nabad qab ku joog



STAY 6 FEET APART

Mantengase a 6 pies de distancia

Nyob sib nrug li 6 feet

Kala fogaada laba mitir



**NO
SCOOTER
RIDING**
**ON
SIDEWALK**

NO PARKING
EXCEPT
AS SHOWN

P

BICYCLE

EAST BRIDGE
OFFICES

PEDESTRIAN &
BICYCLE USE
ONLY



REINFORCE PEDESTRIAN AND BICYCLE SPACE

STAY SAFE
Wear your seat belt.
Don't drink and drive.
Speed is the enemy.

STAY & FEEL APART
Wear your mask.
Avoid close contact.
Avoid touching your face.

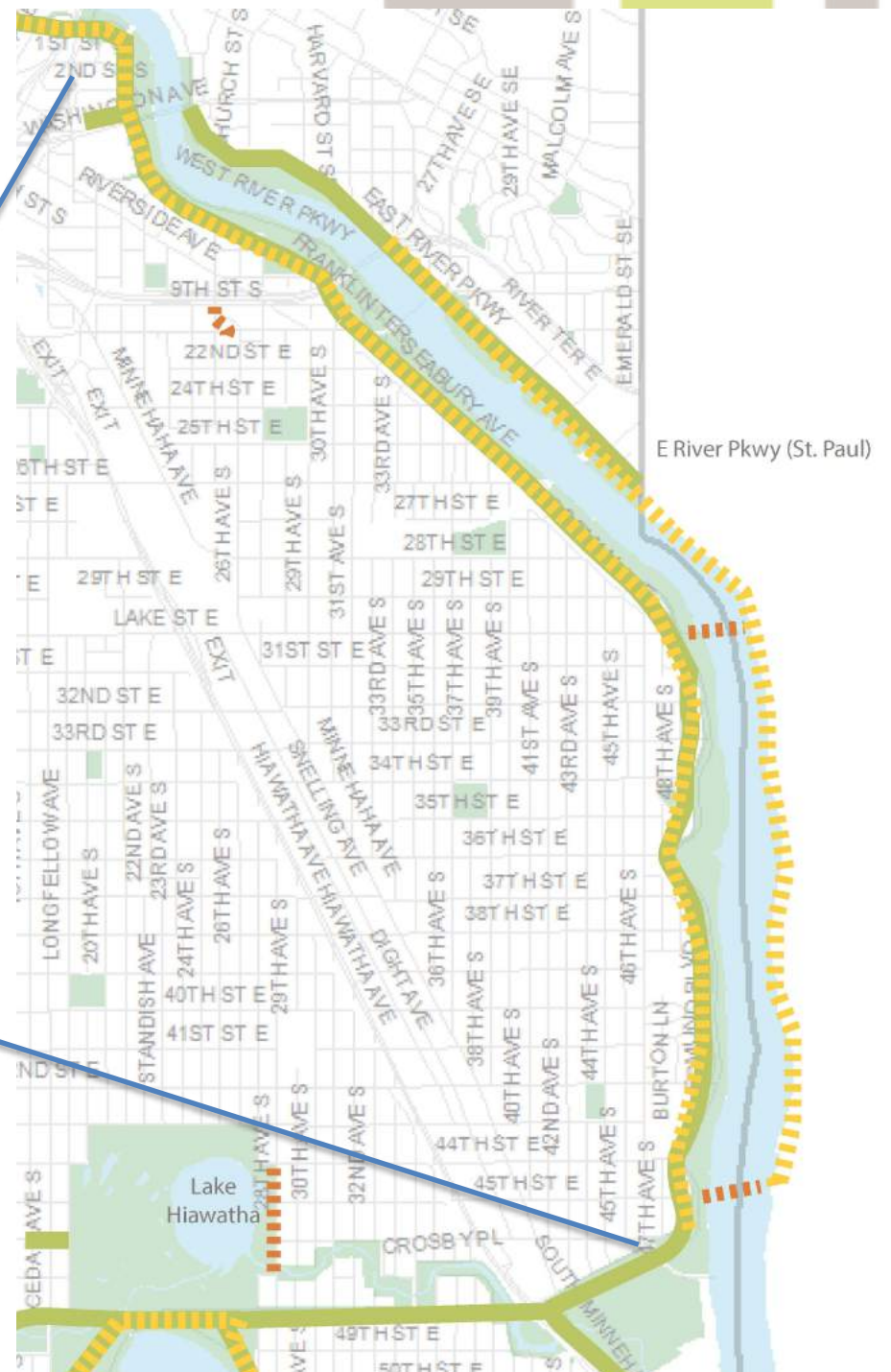
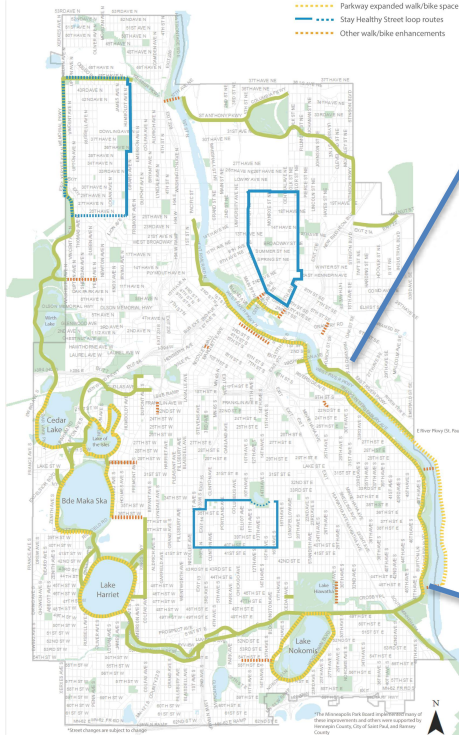


Minneapolis Stay Healthy Streets

Street changes to support comfortable walking, biking and rolling while social distancing during the COVID-19 emergency

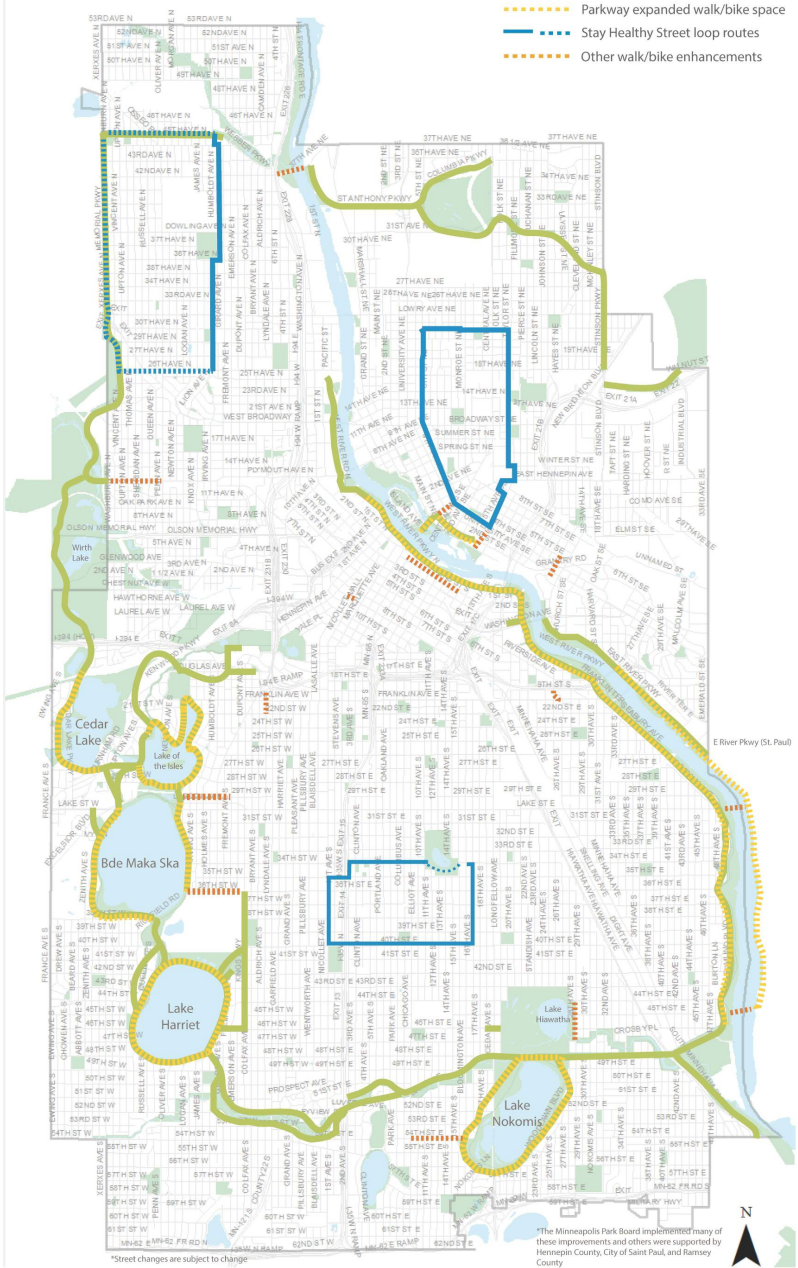


- Parkways
- Parkway expanded walk/bike space
- Stay Healthy Street loop routes
- Other walk/bike enhancements



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- Parkways
- - - Parkway expanded walk/bike space
- - - Stay Healthy Street loop routes
- - - Other walk/bike enhancements

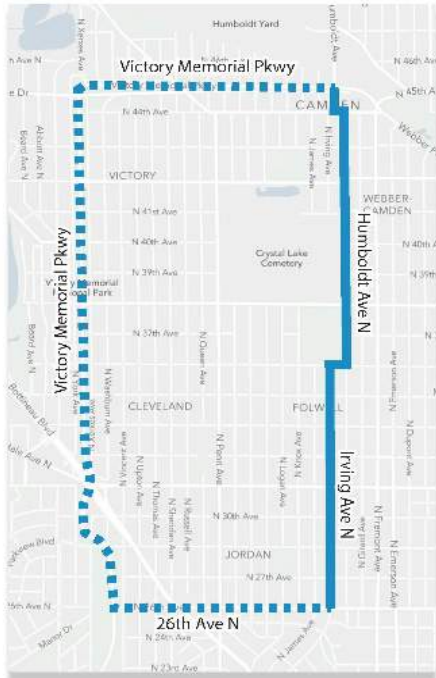


*Street changes are subject to change

*The Minneapolis Park Board implemented many of these improvements and others were supported by Hennepin County, City of Saint Paul, and Ramsey County

Minneapolis Stay Healthy Streets Loop Routes

Streets on these routes are generally for local car traffic only to support comfortable walking and biking while social distancing during the COVID-19 emergency



North Minneapolis Route

2 hr 6 min walk 36 min bike ride

6.3 miles Street with enhancements for walking and biking
 Existing trail



Northeast Minneapolis Route

1 hr 36 min walk 29 min bike ride

4.8 miles Street with enhancements for walking and biking



South Minneapolis Route

1 hr 26 min walk 28 min bike ride

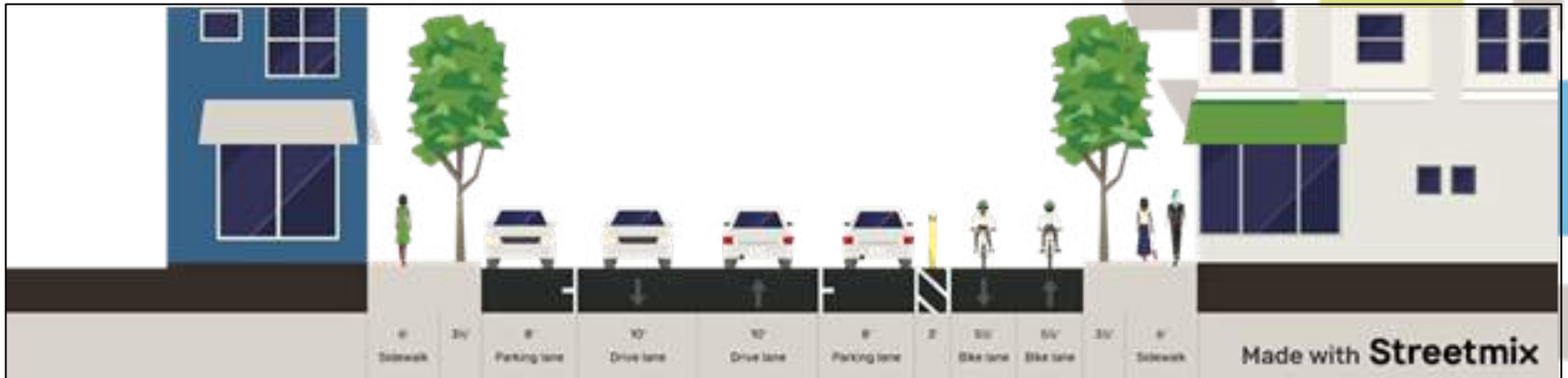
4.3 miles Street with enhancements for walking and biking
 Existing trail





National Complete Streets Coalition







Smart Growth America
Improving lives by improving communities



**National Complete
Streets Coalition**

Thank You

Robin Hutcheson, Public Works
Director

City of Minneapolis



@rkbtwo @CityCharleston

Keith Benjamin

City of Charleston, Traffic & Transportation



Photo: Abigail Darlington/The Post and Courier



@carlosfpardo @NUMOalliance

Carlos Pardo

NUMO Alliance

400 e-bikes to health providers in Bogotá

A quick story - Carlos F Pardo - NUMO Alliance

@carlospardo @numoalliance



Background of the “400 e-bikes” initiative

Based on results from the #MOVID19 hackathon held during March 20-23, 2020, one of the most viable and cheapest alternatives to improve conditions during COVID-19 was to provide bicycles to people in greatest need, mostly those working in health, transport and safety.

NUMO, Despacio and MUVO have made 400 e-bikes available (most of MUVO’s fleet) for health workers in the government. MUVO adjusted their mobile app to be available only for these people during the curfew.



**#MOVID19
Hackathon**

¿Qué soluciones de movilidad propones para Bogotá?

Envíanos tus respuestas con datos.

Fecha:
19 al 23 de marzo de 2020

Premiación:
23 de marzo de 2020



(From Hackathon) Summary of conclusions

- Everyone who doesn't absolutely have to travel should stay home (the 4 sectors we've identified are health, security, food stocking and provision* and those who provide a transport service)
- **Everyone who can ride a bike should go out and ride a bike, and government should make the greatest effort to improve conditions for them.**
- Those who can't ride a bike must take public transport, and government must focus on providing the cleanest and most frequent service (Shenzen recommendation is 50% occupancy, which is crazy expensive but the only way to go), and hopefully at a very low cost.

*the full list is longer!



Government deploying dozens of kms of emergency bikeways (80 kms as of today)



Source of photo: Bogotá government

My recap on the evolution of these bikeways [here](#).





Photo by Carlos F Pardo

Photo by Jesus Acero @aceromora



#HéroesEnMUVO





We are lending 400 e-bikes
to **public health workers in
Bogotá** because their
#MobilityMatters



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Mobility
alliance



Delivering the e-bikes

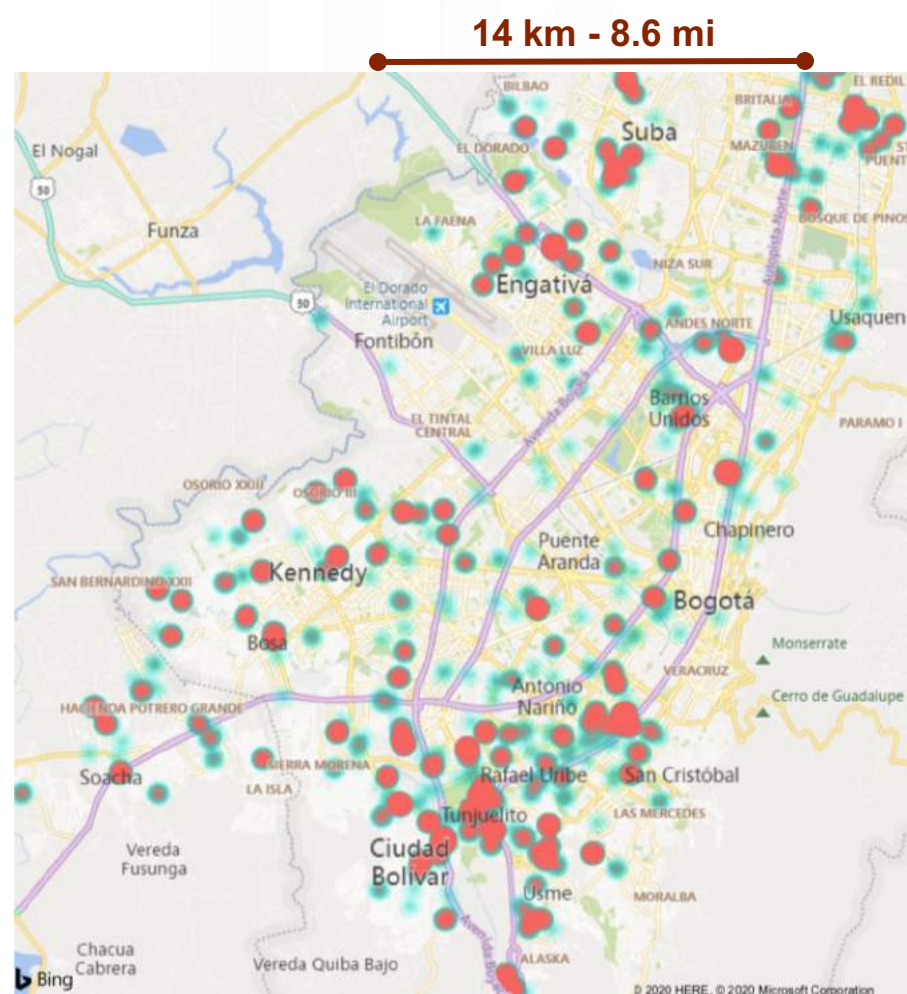
- Funded by NUMO and Despacio (MUVO at cost)
- Agreement with government
 - Coordination mobility, health, recreation depts
- 4 key locations throughout the city (and Bogotá is huge)
- Medical staff AND other jobs
- 64% women received e-bikes
- 1 stolen...
- Tons of mechanic support



Photo by MUVO

Some numbers

- 16 thousand trips in the month
- Average trip distance: 9km (5.6 mi)
- Average travel time: 53 min



Asking for help (and what we got)

More help is most welcome.

Funds and support can be used for:

- **PARKING** locations for e-bikes
- **DATA ANALYSIS** of use, to improve deployment
- **Bike MAINTENANCE** (an emergency service)
- More **POLICE SUPPORT** to mitigate e-bike theft
- **HELMETS** and **GLOVES** for safety and hygiene
- **E- BIKE CHARGING STATIONS** along main routes
- **MARKETING OF SERVICES** to those need e-bicycles to get to their essential services work
- **VEHICLES TO REPOSITION E-BIKES** to balance and deploy the e-bike fleet
- Larger **FLEET** (more e-bikes)



The saddest part...

Picking up the e-bikes once the month is over...

BUT:

- Those with bikes receive free maintenance by Recreation Dept.
- Those who want it can have discounted monthly price to keep the e-bike
- People are **extremely thankful** regardless



¿Cómo se están moviendo - y cómo se van a mover?

Survey sent to 65 thousand users of MUVO, Twitter and Facebook Boost.

916 valid responses.

Non probabilistic sample (sorry!)

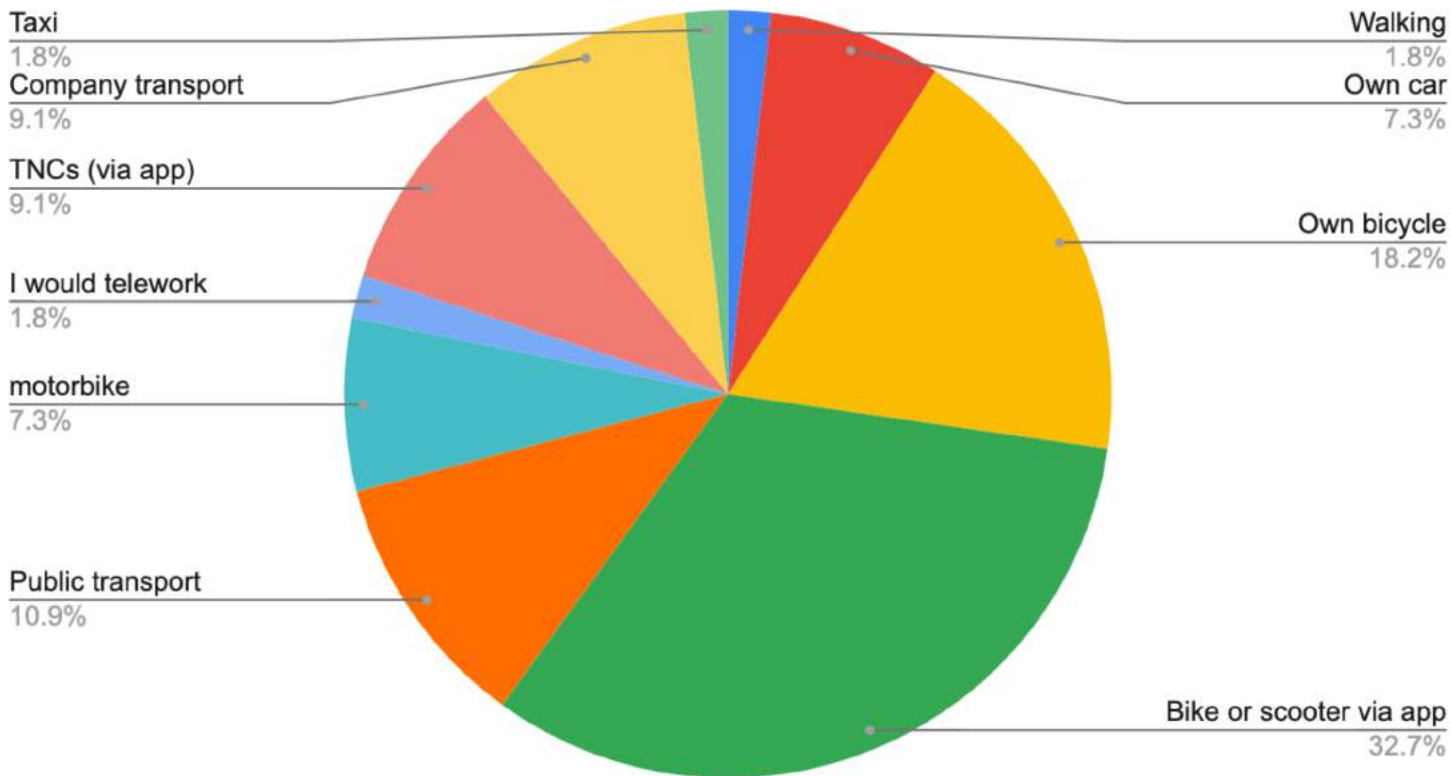


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(For those who received the e-bikes)

*Mode they **would have preferred** if they had access to any other under same conditions as MUVO e-bike.*

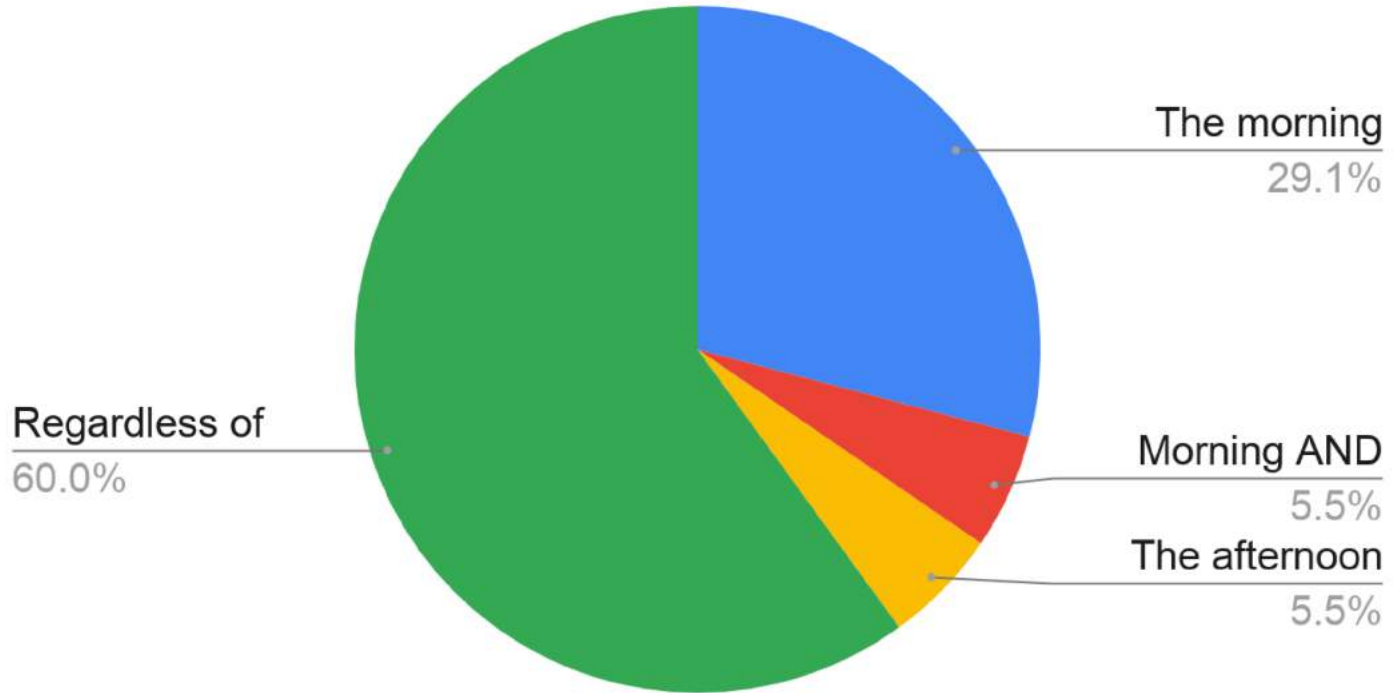


Full dataset [here](#)



(For those who received the e-bikes)

Depending on my shift, I use the e-bike if I have a trip during the day in...

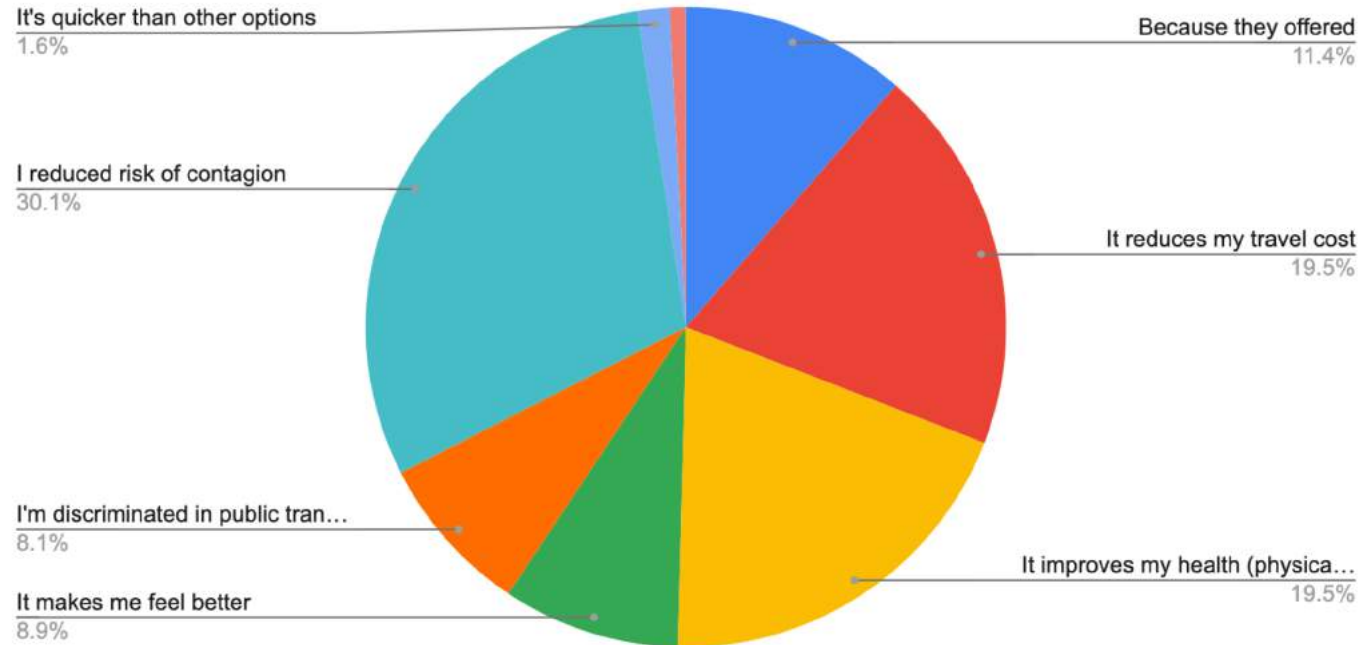


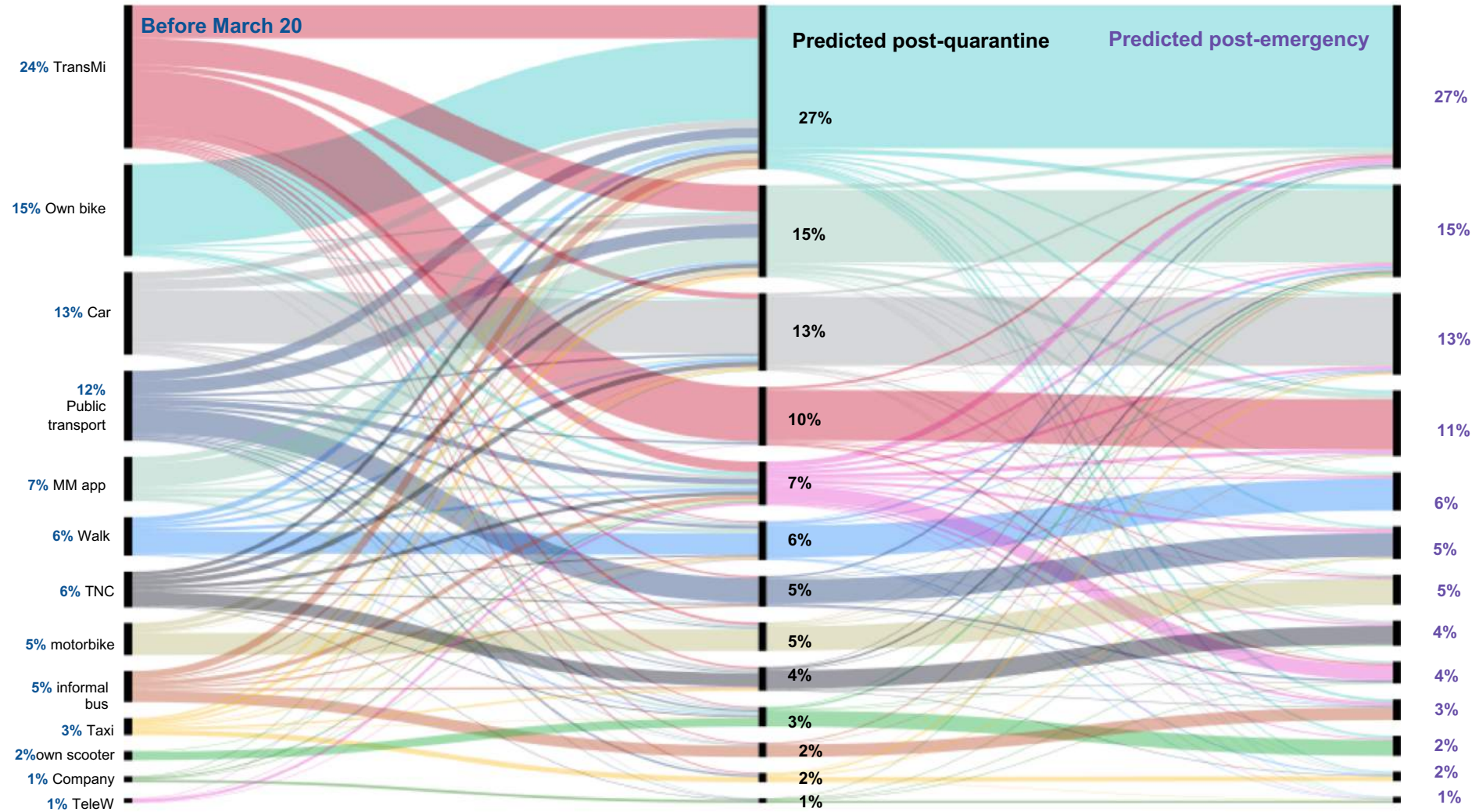
Full dataset [here](#)

(For those who received the e-bikes)

Most important reasons why you accepted the e-bike (they could select 3)

Full dataset [here](#)

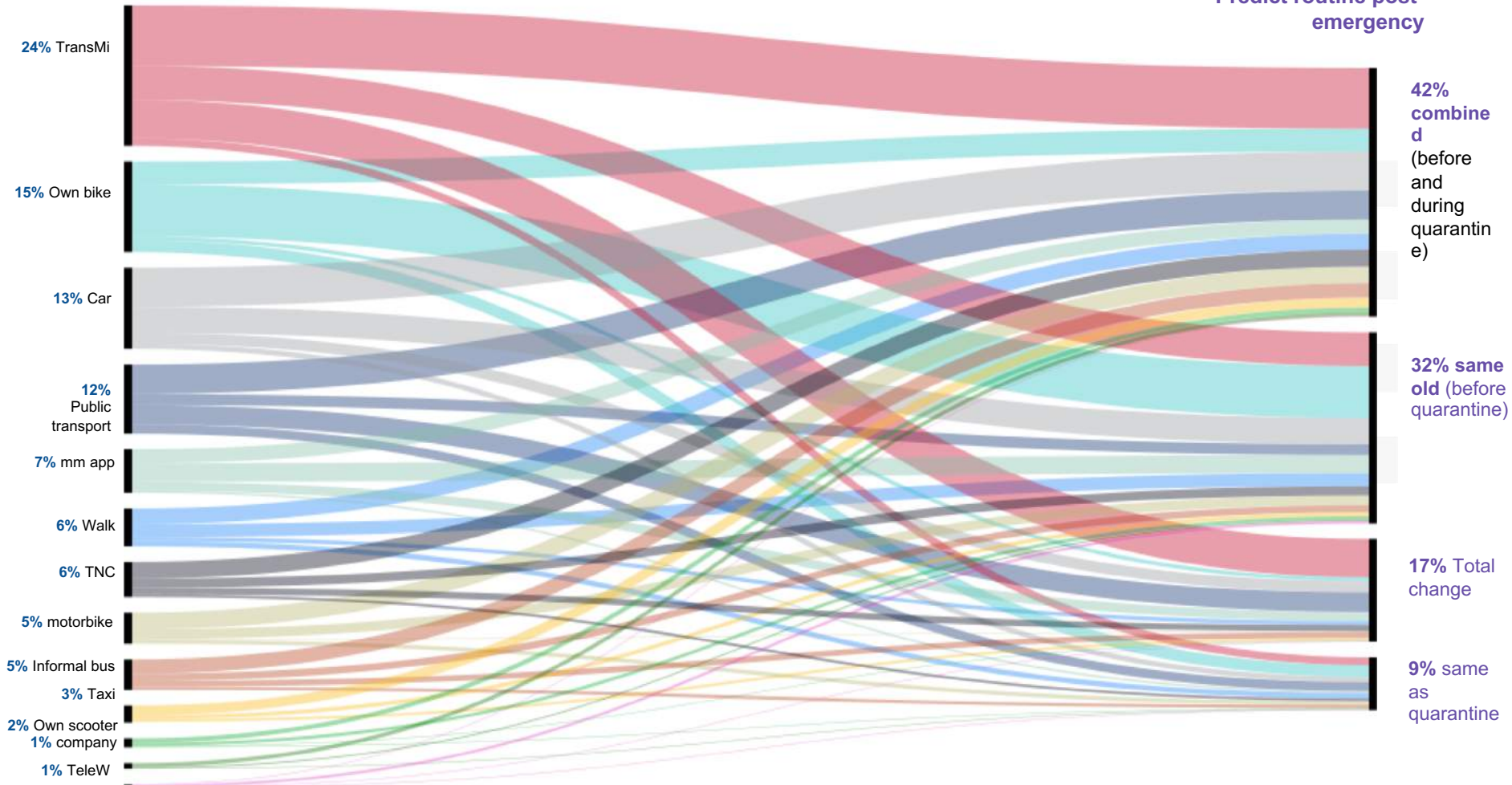




Non-probabilistic sample (convenience, homogeneous). 916 responses. (65k MUVO users via email and SMS, Twitter @carlosfardo, and 3 day Facebook Boost via Despacio).

Before March 20

Predict routine post-emergency



Non-probabilistic sample (convenience, homogeneous). 916 responses. (65k MUVO users via email and SMS, Twitter @carlosfardo, and 3 day Facebook Boost via Despacio).

Before March 20

Predicted post-quarantine

Predicted post-emergency

41% Transit
(includes
company
vehicles)

23% Active
individual
(walk, own
bike, own
scooter)

19%
Motorized
individual (car,
motorbike)

16%
TNC or
Taxi

1% TeleW

37%

21%

18%

17%

7%

37% Active
Individual

21% TNC or
taxi

21% Transit

18%
individual
motorized

4% TeleW

Non-probabilistic sample (convenience, homogeneous). 916 responses. (65k MUVO users via email and SMS, Twitter @carlosfardo, and 3 day Facebook Boost via Despacio).



Questions?



Thank you for joining us!