



City Transportation Issues Coordinating Council

TRB Annual Meeting
January 10, 2023



Agenda

8:00 | Welcome and Introductions

8:10 | Update on TRB Initiatives

8:15 | Council Overview (reminder)

8:20 | Liaison Updates

8:20 | NACTO

8:25 | POLIS

8:30 | Liaison Committee Updates + Federal update: BTS

~~8:40 | Committee Strategic Plan~~

~~9:00 | Engaging Cities in Research~~

We did not get to the later items

~~9:30 | Open Floor~~

9:40 | Closing Remarks and Adjourn



Hybrid Meeting: In-Room Participants

- Use the mics when speaking or come up near the audio device
- Please sign the sign-in sheet.
 - Where it asks if you are a member of this committee, please identify any *other* committees you are part of.



Emergency Procedures for Marriott Marquis

In an emergency:

Step 1: Call 911

Step 2: In the Marriott Marquis, call Security at 202-824-9667, or dial 59677 on the nearest house phone.

We recommend you add this number to your contact list *now*, so you won't need to look for it later.

Have an exit plan. Please take a moment to familiarize yourself with the route to the nearest exit from this room.

If an alarm sounds, please end your event *immediately* and evacuate the building. The escalators located in the center of each floor can be used to access the main lobby and exits. Additional stairs are located behind the elevators at each end of the main hallway on each level.

In case of evacuation, attendees should gather on the lawn of the Apple Store, across the street from the main entrance to the Convention Center.



Hybrid Meeting: Virtual Participants

- Please mute yourself when not speaking
- Raise your hand to speak or ask the question in the chat
- Video on only when speaking (to save bandwidth, no need to turn on at all)
- Please sign the virtual sign-in sheet: <https://tinyurl.com/CityAM23>



Code of Conduct

TRB values diversity, honesty, inclusion, civility, and respect for each person as an individual in all our activities and undertakings. All forms of discrimination, harassment, and bullying are prohibited in any NASEM activity. **Do your part!**

<https://onlinepubs.trb.org/onlinepubs/dva/2023CHAIR/CodeofConduct.pdf>

Report harassment: 202-253-3865 (Jan 8-19) or 202-334-3400
or hrrservicecenter@nas.edu (anytime)

Our TRBAM session this year



City DOT Leadership Roundtable on Leadership and Policy Challenges for Urban Mobility Post-pandemic

This session brought together senior leadership from big city DOTs and USDOT to discuss rethinking streets from the pandemic onward, rethinking organizations, and the opportunities and challenges of the new federal funding streams.

Speakers were

Kim Lucas – Director, City of Pittsburgh Department of Mobility and Infrastructure

Christopher Coes – Assistant Secretary for Transportation Policy, USDOT

Allison C. de Cerreño - Deputy Chief Operating Officer, NYC Metropolitan Transportation Authority

Thank you to our speakers and to Bob Ginsburg for moderating!



Curated City Program

New this year we tried crowdsourcing a list of sessions with city-oriented content or topics.

<https://tinyurl.com/TRBAM23Cities>

Date	Time	Type	Session	Session Name	Tags
08 Sun	9am - 12pm	Workshop	1002	Micromobility, Bicycles, and the Future of Cities	Micromobility, Bicycle, Active Transportation
08 Sun	9am - 12pm	Workshop	1003	Urban Roadway Design: Time for a New Paradigm?	Design
08 Sun	9am - 12pm	Workshop	1025	Equity in Infrastructure Asset Management	Equity, Asset Management
08 Sun	9am - 12pm	Workshop	1029	Commercial and Municipal Fleet Electrification	EVs
08 Sun	9am - 12pm	Workshop	1030	Resilience and the Road to Recovery: Re-envisioning the Future of Public Transit	Transit, Shared Mobility, EVs
08 Sun	9am - 12pm	Workshop	1031	Return to Public Spaces: Designing for Reintegration and the New Normal	Public Space
08 Sun	9am - 12pm	Workshop	1032	Creating Public Value by Integrating Intercity Bus, Transit, and Active Transportation	Data, Bus, Transit, Active Transportation
08 Sun	1:30pm - 4:00pm	Workshop	1054	No Excuse for Ugly Streets Serving Our Communities	Complete Streets, sidewalks

TRB Updates

Transit Cooperative Research Program (TCRP) Update

(1) Available TCRP publications; (2) new FY 2023 projects—panel nominations due Friday, February 3, 2023; (3) RFPs for proposals due Tuesday, January 31, 2023; (4) upcoming and recent webinars; and (5) request for submission of new problem statements due June 16, 2023

January 2023 TRB Annual Meeting



TRANSPORTATION RESEARCH BOARD

Available Transit Cooperative Research Program (TCRP) Publications (listed by most recent release)

- [On-Street Bus Operations Management](#) (2022) – Synthesis 166
- [Measuring and Managing Fare Evasion](#) (2022)
- [Legal Issues and Emerging Technologies](#) (2022)
- [Improving Access and Management of Public Transit ITS Data](#) (2022)
- [Racial Equity, Black America, and Public Transportation, Volume 1: A Review of Economic, Health, and Social Impacts](#) (2022)
- [Quantitative Procedures for Designing and Operating Ferry Services](#) (2022)
- [Fare-Free Transit Evaluation Framework](#) (2022)
- [Policing and Public Transportation](#) (2022)
- [The Impacts of Vehicle Automation on the Public Transportation Workforce](#) (2022)
- [Bus Rapid Transit: Current State of Practice](#) (2022)

Available TCRP Publications listed by most recent release (2 of 3))

- [Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 2: Research Overview](#) (2022)
- [Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 1: Guidebook](#) (2022)
- [Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand-Response Services](#) (2022)
- [Command-Level Decision Making for Transportation Emergency Managers](#) (2022)
- [Coordination of Public Transit Services and Investments with Affordable Housing Policies](#) (2022)
- [Fare Capping: Balancing Revenue and Equity Impacts](#) (2022)
- [ADA Paratransit and Other Demand-Responsive Transportation Services in Small to Midsized Transit Agencies](#) (2022)
- [Recent Decline in Public Transportation Ridership: Hypotheses, Methodologies, and Detailed City-by-City Results](#) (2022)
- [Recent Decline in Public Transportation Ridership: Analysis, Causes, and Responses](#) (2022)
- [Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns](#) (2022)

Available TCRP Publications listed by most recent release (3 of 3)

- [Cybersecurity in Transit Systems](#) (2022)
- [Uses of Social Media in Public Transportation](#) (2022)
- [Transit Safety Risk Assessment Methodologies](#) (2021)
- [Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry](#) (2021)
- [Assessing and Mitigating Electrical Fires on Transit Vehicles](#) (2021)
- [Transit and Micromobility](#) (2021)
- [Prioritization of Public Transportation Investments: A Guide for Decision-Makers](#) (2021)
- [Joint Development Agreements Using FTA Funds or FTA-Funded Assets](#) (2021)
- [Use of Agency Service Agreements in ADA Paratransit Delivery](#) (2021)
- [Innovative Practices for Transit Planning at Small to Mid-Sized Agencies](#) (2021)

TCRP Oversight and Project Selection (TOPS)

Commission funded for FY 2023: Annual Projects

- J-01 Dissemination and Implementation of TCRP Research Findings
- J-04 Innovations Deserving Exploratory Analysis - The Transit IDEA Program
- J-05 Legal Aspects of Transit and Intermodal Transportation Programs
- J-07 Synthesis of Information Related to Transit Problems
- J-11 Quick-Response Research on Long-Term Strategic Issues

Panel information is available online

at <https://www.mytrb.org/OnlineDirectory/Committee/SubmitSearch>

Program announcement with project descriptions is

at https://onlinepubs.trb.org/onlinepubs/tcrp/docs/TCRP_FY2023_Project_Announcement.pdf

TCRP Oversight and Project Selection (TOPS)

Commission funded for FY 2023: Panel nominations for new projects due no later than 3 February 2023

- B-53 Planning for the Travel Needs of Women
- J-11/Task 45 Future of Commuter Rail
- J-11/Task 46 New Tech, New Skills, New Jobs

Contact Dianne Schwager dschwager@nas.edu

- D-24 Determination of Actual Derailment Loads on Transit Bridges
- E-15 COVID-19 and Transit Air Quality Protections
- J-11/Task 47 Affordable Housing and Transit

Contact Mariela Garcia-Colberg mgarciacolberg@nas.edu

Please complete a nomination form by going to <https://volunteer.mytrb.org/Panel/AvailableProjects>

Program announcement with project descriptions is at

https://onlinepubs.trb.org/onlinepubs/tcrp/docs/TCRP_FY2023_Project_Announcement.pdf

TCRP Oversight and Project Selection (TOPS)

Commission funded for FY 2023: Panel nominations for new projects due no later than 3 February 2023

- A-49 Fare Policies, Structures, and Technologies -- 2022 Updates
- A-50 Practical Considerations for Developing Transition Plans to Zero-Emission Fleets
- A-51 Innovative Practices for Technology Implementation at Rural, Small, and Mid-Sized Transit Agencies
- B-51 Floating Transit Stops and Passengers with Vision Disabilities
- B-52 Intercity Bus: The State Role Update
- D-23 Guidebook for Planning and Constructing a Small and Rural Tribal Transit Facility
- F-31 Modernizing Transit Station Staffing Management

Contact Stephan A. Parker saparker@nas.edu

Please complete a nomination form by going to <https://volunteer.mytrb.org/Panel/AvailableProjects>

Program announcement with project descriptions

is at https://onlinepubs.trb.org/onlinepubs/tcrp/docs/TCRP_FY2023_Project_Announcement.pdf

TCRP New Synthesis Topics funded for FY 2022

- SA-56 Use of Automatic Vehicle Monitoring (AVM) and Vehicle Health Monitoring/Diagnostic Systems by Transit Agencies
- SA-57 Statewide and Regional Approaches to the Development of Comprehensive Transit Information Systems
- SA-58 Analysis of Transit Exclusion Policies in Passenger Transportation Systems
- SA-59 Electronic Surveillance of Railroad-Highway Crossings for Collision Avoidance, State of the Practice
- SA-60 Examination of Transit Agency Coordination with Electric Utilities
- SB-37 Emerging, Non-traditional Performance Indicators Focused on Mobility, Access, and Equity in Transit / Equitable Transit Service: Agency Goals and Actions
- SB-38 Accessible Vehicles Fleet Configuration

Propose New Topics for the 2023 TCRP Synthesis Program

The deadline for the upcoming submission cycle is March 24, 2023.

In the coming year, TCRP will fund seven (7) new synthesis topics. Anyone may propose topics.

All proposals for topics must be submitted through the TCRP Synthesis Topic Submission Portal: [TCRP Synthesis Topic Submission Portal](#)

For questions, please contact Mariela Garcia-Colberg at mgarciacolberg@nas.edu

Transit Innovations Deserving Exploratory Analysis (IDEA) Program

Transit IDEA program funds early-stage development of high risk, high payoff innovations to advance transit systems, particularly Efficiency, Safety, Security, Maintenance, and Ridership.

Project Completed in 2022

T-94: Evaluation of Transit Vehicle Brake Inspection through Ultrasonic Emission Analysis

T-95: Connected and Automated Parking Feasibility -- A Pilot Study

T-96: Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities

T-98: Safety Assessment of Interaction between Autonomous Shuttle Bus and Vulnerable Road Users

Projects Currently Active

T-97: Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban

T-99: Bike Love

T-100: TrainMate Robotic System; Making Public Transportation, Public

T-101: Multimodal Transit with Citopia

T-102: Real-Time Trip Support for Multimodal Traveler

Summaries of all Transit IDEA projects are provided in the Transit IDEA Annual Progress Report accessible via the link:

http://onlinepubs.trb.org/onlinepubs/IDEA/Transit_idea_Annual2022.pdf

Current requests for proposals (RFPs): Proposals due no later than 31 January 2023

- [TCRP A-36A](#) Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- [TCRP D-20](#) Investigation and Mitigation of Insulated Joint Electrical Failure
- [TCRP D-22](#) A Frog Design Primer and Research Roadmap
- [TCRP E-14](#) Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management
- [TCRP H-61](#) A Guide for Resilient Zero-Emission Transit Bus Fleets
- [NCHRP 07-31](#) State DOT and Tribal Use of Active Transportation Data: Practices, Sources, Needs, and Gaps
- [NCHRP 08-144](#) Rural Transit Fleet Mix and Vehicle Size Decision Trees
- [NCHRP 23-11](#) Transportation Emergency Management and Security Summit and Exchange

Contact Stephan A. Parker saparker@nas.edu

Panel information is available
online at <https://www.mytrb.org/OnlineDirectory/Committee/SubmitSearch>

Upcoming TRB Webinars

- [TRB Webinar: Success Strategies for Metropolitan Planning Organizations](#) January 23, 2023 02:00 PM - 03:30 PM U.S. Eastern
- [TRB Webinar: Fare-Free Transit Policies and Programs—An Evaluation Framework](#) January 24, 2023 12:30 PM - 02:00 PM U.S. Eastern
- [TRB Webinar: Electronic Ticketing—Current Practices for Concrete Pavements](#) January 31, 2023 01:30 PM - 03:00 PM U.S. Eastern

TCRP Webinars held in 2022

- [TRB Webinar: Measuring and Managing Fare Evasion](#)
- [TRB Webinar: Trends in Transit Ridership - Analysis, Causes, and Responses](#)
- [TRB Webinar: Expanding Microtransit Services and Improving the Rider Experience](#)
- [TRB Webinar: Cybersecurity Trends in Transportation](#)
- [TRB Webinar: New Transit Fare Policy - Capping and "Cashless" Collection](#)
- [TRB Webinar: Microtransit - Innovations in Rural Mobility](#)
- [APTA Webinar: Strategies for Deterring Trespassing on Rail Transit and Commuter Rights-of-Way](#)
- [TRB Webinar: Prioritization of Public Transportation Investment](#)
- [TRB Webinar: Micromobility and Transit - Keys to Successful Collaboration](#)
- [TRB Webinar: Improving Diversity and Inclusion Programs in Public Transportation](#)

Sign up @: <https://webinar.mytrb.org/Webinars> to participate in TCRP webinars

TCRP Team

- Gwen Chisholm Smith gsmith@nas.edu
- Velvet Basemera Fitzpatrick vfitzpatrick@nas.edu
- Mariela Garcia-Colberg mgarciacolberg@nas.edu
- Inam Jawed (Transit Innovations Deserving Exploratory Analysis (IDEA)) ijawed@nas.edu
- Stephan A. Parker saparker@nas.edu
- Dianne Schwager dschwager@nas.edu

<https://www.apta.com/research-technical-resources/tcrp/>

www.nationalrtap.org

[TCRPAnnual2022.pdf \(trb.org\)](#)

<http://www.trb.org/TCRP>

Air Quality in the Transit Environment

A TCRP VIRTUAL INSIGHT EVENT - JUNE 21 & 22, 2022

TCRP and leading transit and subject matter experts held a virtual Insight Event on Air Quality in the Transit Environment.

This event allowed transit providers and stakeholders to share their knowledge about the issue of air quality inside vehicles to help identify possible solutions to the problems and/or areas of research to be undertaken in future TCRP projects.

The event explored how air quality inside transit vehicles (specifically buses) may contribute to the spread of infections, including COVID-19.

Topics covered during this two-afternoon event include:

June 21, 2022

- ☐ Air Quality inside Transit Vehicles
- ☐ Optimal Airflow Patterns and Measuring Methods
- ☐ Updating and Improving Filtration

June 22, 2022

- ☐ Existing and Emerging Technologies
- ☐ Modeling and Simulations for Decision Making
- ☐ Other Strategies for Mitigating Transmission Risks

NATIONAL
ACADEMIES
Sciences
Engineering
Medicine

TRB TRANSPORTATION RESEARCH BOARD

NATIONAL Sciences

For more information, please contact Mariela Garcia-Colberg, Esq., Senior Program Manager, Transportation Research Board at MGColberg@nas.edu

Air Quality in the Transit Environment

A TCRP Virtual Insight Event – June 12 & 22, 2022

During this two-afternoon event, participants heard from an interactive panel on the intersection of transit air quality and mitigation of transmission of infectious diseases.

- June 21, 2022
 - Air Quality inside Transit Vehicles
 - Optimal Airflow Patterns and Measuring Methods
 - Updating and Improving Filtration
- June 22, 2022
 - Existing and Emerging Technologies
 - Modeling and Simulations for Decision Making
 - Other Strategies for Mitigating Transmission Risk

TCRP Synthesis 2021 Topics Research in Progress

- SA-54 Practices to Improve Pedestrian and Bicycle Safety when Implementing Bus Transit Corridors
- SA-55 On Street Bus Operations Management
- SB-35 Customer Education and Awareness of On-Demand Mobility
- SB-36 Dynamic Optimization on ADA Paratransit Service
- SG-20 Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- SH-22 Inclusive Public Participation in Transit Decision Making
- SH-23 Partnerships for Equitable Pandemic Response and Recovery

TCRP Synthesis Topics from 2019 & 2020 Published

- SB-33 Uses of Social Media in Public Transportation is now TCRP Synthesis 156
- SA-51 Transit Safety Risk Assessment Methodologies is now TCRP Synthesis 157
- SA-50 Cyber Security in Transit Systems is now TCRP Synthesis 158
- SA-52 Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns is now TCRP Synthesis 159
- SH-21 Transit Fare Capping: Balancing Revenue and Equity Impacts is now TCRP Synthesis 160
- SG-19 Paratransit Service Delivery Models for Small Systems is now TCRP Synthesis 161
- SB-34 Coordination of Public Transit Services and Investments with Affordable Housing Policies is now TCRP Synthesis 162
- SA-53 BRT State of Practice, Experience, and Lessons Learned* (in the publication process)
- SH-19 Considering the Unbanked in Cashless Fare Payment* (in the publication process)

Council Overview

City Transportation Issues Coordinating Council



The City Transportation Issues Coordinating Council promotes among the Technical Activities committees attention to the **specific and unique circumstances** related to providing transportation to and within municipalities and urbanized areas.

All aspects of **planning and providing transportation** to and within cities are considered, including but not limited to planning, design, construction, operations and service provision, maintenance.

This relates to transportation of **both people and goods** and service to urbanized communities, markets and people.



Coordinating Councils

- **Three Functions**
 - Coordinate – provide a forum to coordinate needs and topics for cities
 - Advise – communication and collaboration mechanism, serve as a resource for city expertise
 - Convene – meet during the AM, work with committees to put on sessions and workshops
- **Activities**
 - Strategic plan (brief) with goals, objectives, and our communication strategies
 - Annual written report (also brief) on the outcomes we have achieved that year
- **Structure**
 - Chair
 - Members – up to 25, all must be members of other committees with no more than 2 per committee
 - Liaisons - outside orgs (e.g. NACTO), federal agencies, other parts of NASEM
 - Friends

NACTO Updates

NACTO @ TRB

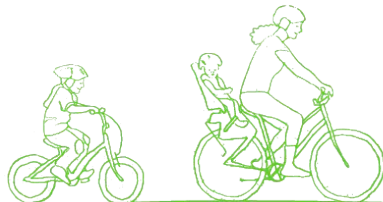
City Transportation Issues Coordinating Council Update





Building the Movement

Communicating a bold vision for 21st century urban mobility and building strong leadership capacity among city transportation officials.



Advancing a Unified City Voice

Empowering a coalition of cities to lead the way on transportation policy at the local, state, and national levels.



Accelerating Change

Raising the state of the practice for street design that prioritizes people walking, biking, and taking transit.

2022 Overview



NACTO advanced policy in the US

- [Federal goal of zero deaths](#), incorporating complete streets criteria into federal grant opportunities and evaluating on the basis of safety
- [Safe Streets and Roads for All](#), bringing \$1 billion in infrastructure funding directly to communities
- [Reconnecting Communities](#), allocating \$1 billion to help reconnect communities that were divided by transportation infrastructure, like highways
- [Proposed GHG rule](#), aligning transportation policy with the country's commitment under the Paris Agreement

NACTO reunites the caucus at Designing Cities 2022

NACTO **DESIGNING** Boston
CITIES 2022 Cambridge
Somerville



September 22, 5:
We need transformative cha
hip-hop, scooters, skatebo
Pits and good vibes.

Cham
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Multicultural Ar
41 Second St, Ca
Saturday, Sept 17

and welcome to women on

41 Second St
CAMBRIDGE
www.starlight


EVENTS
MURAL

WANT TO QUIT V

BY: DAILY NICOTINE

WANT TO QUIT V

NACTO launches Transportation Justice Fellowship, cohort 2!

 *With navigation from The Wright Institute*

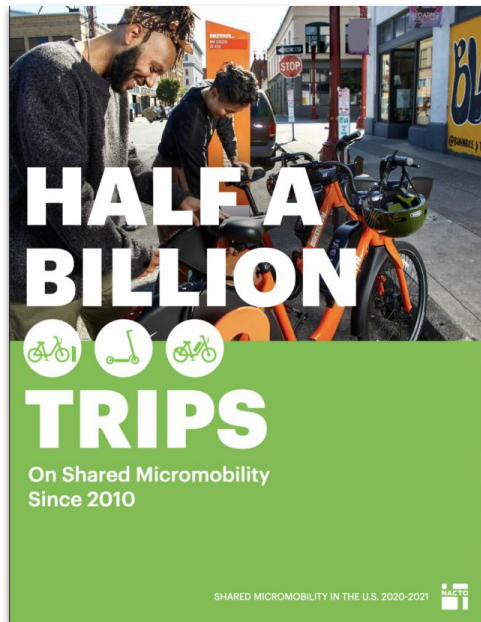


NACTO / BBSP

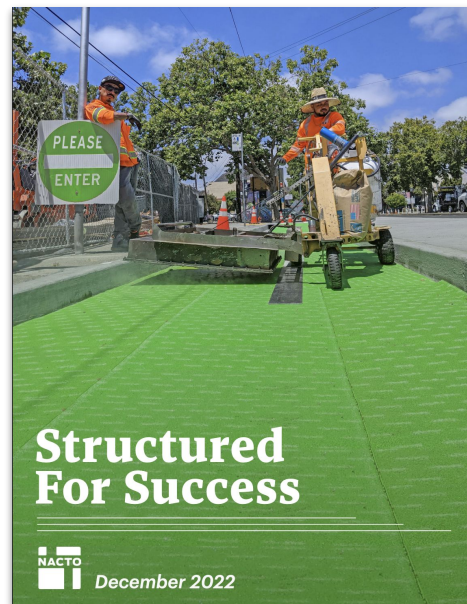
**2022 - 2023
TRANSPORTATION
JUSTICE FELLOWSHIP**



NACTO publishes guidance for city transportation practitioners



NACTO publishes guidance for city transportation practitioners



HALF A BILLION TRIPS on Shared Micromobility Since 2010

Shared Micromobility in the U.S. 2020–2021



People took 65 million trips on shared micromobility in 2020

30.5

MILLION TRIPS



on station
based bikes

33

MILLION TRIPS



on dockless
e-scooters

1.5

MILLION TRIPS



on dockless
bikes

By comparison, people took 112 million trips on shared micromobility in 2021

47

MILLION TRIPS



on station
based bikes

62.5

MILLION TRIPS



on dockless
e-scooters

2.5

MILLION TRIPS



on dockless
bikes

In 2021...

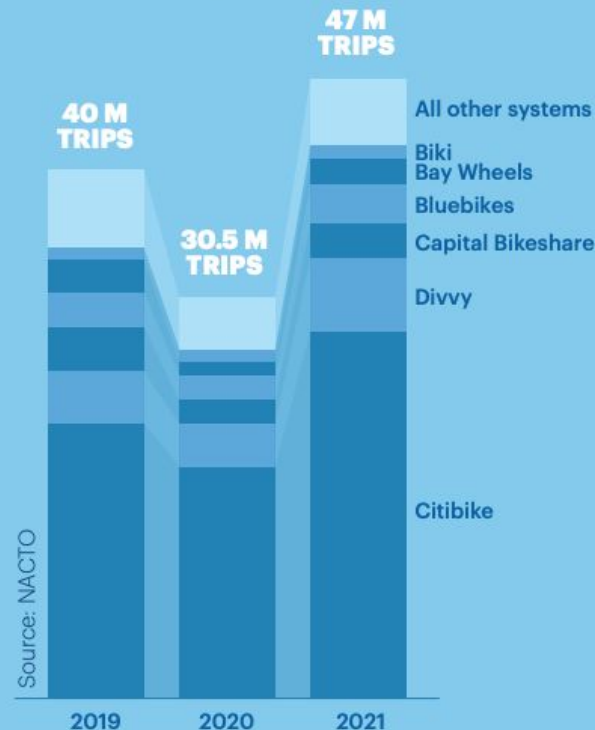
Station-based bike share rebounded

Trips on shared micromobility began to rebound by mid-2021 in most cities, with many station-based systems breaking ridership records, such as Citi Bike in New York City and Divvy Bikes in Chicago.

Over four-fifths of station-based bike share trips nationwide took place in just six places in 2021. These cities' programs share a number of similarities, including a large number of bikes, densely-placed stations or designated pickup/drop-off areas, and robust rebalancing operations.



Station-Based Bike Share Ridership 2019-2021



In 2021...

Shared micromobility programs continued to expand



- **Portland, OR** expanded its system by 13 square miles in September 2020
- **Philadelphia** added 300 electric bikes and over 25 stations in new neighborhoods
- **Over 80% of households in Boston** are within a 10-minute walk of bikeshare stations as of 2021

In 2021...

Cities formed stronger partnerships & strengthened regulations

Cities continued to refine operating requirements in order to **encourage better business practices and increase access for their residents.**

NACTO's recent working paper *Shared Micromobility, Permitting, Process, and Participation* discusses recent trends seen in regulating shared micromobility, including: electrification, goal-based operator selection and expanded regulations to organize devices.



Regulatory Trends

Cities are shifting to goal-based selection

In the early years, cities contracted a single operator to manage the bike share program for as many as 5-10 years.

Now, cities are using pilots and open permits as temporary regulatory frameworks before shifting to longer term agreements with fewer operators.

Selective permit models and operator contracts increase city involvement, investment, control, and overall accountability for program outcomes.

Regulatory Trends

Expanded regulations are organizing streets



Cities are increasingly using regulatory tools like lock-to requirements, hub zones, required service areas, and no deployment zones to help organize dockless systems on their streets.

Physically organizing devices supports both operators and users. Operators can more efficiently deploy devices and users can be more confident in finding a device and place to end the ride.

2023 Focus Areas



A group of people, mostly wearing lanyards with badges, are walking along a city street. The street is lined with walls covered in vibrant, multi-colored graffiti. On the pavement, hopscotch is painted in white and purple. In the background, there are brick buildings with storefronts, including one that says "WILD WORLD INK" and another that says "Fashion Old". A "NO PARKING" sign is visible on a pole. The scene is bright and sunny, suggesting a pleasant day for an outdoor event.

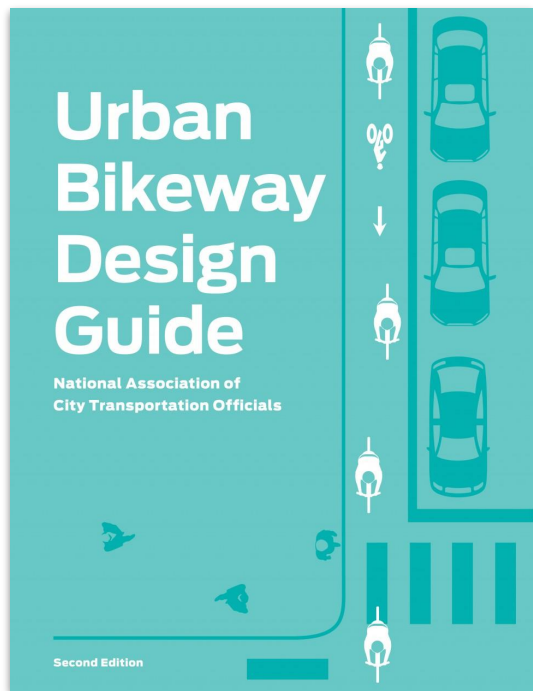
Join us!
May 15–18, 2023

Registration opens
Jan 18 for members



DESIGNING CITIES
DENVER 2023

2023: Urban Bikeway Design Guide



- Originally published in 2010/2011 as a permission slip to cities to build bike infrastructure
- 2023 update will serve as a prescription for how to implement safe, equitable cycling networks

Opportunities:

- Showcase your cities best practices
- For member cities: Serve on our technical advisory committee / working groups

How? Contact Matthew Roe (matthew@nacto.org)

Research requests

Ped safety and comfort effects of increasing opportunities for controlled crossings (shorter signal cycles/closer signal spacing) on arterial streets

Practitioner-oriented data analysis & decision tree for ped crossing treatment selection (including red indications – unlike STEP).

Turn speed reduction for high-volume intersections; relationship between turn speed and yielding rates.

Transit rider & operator preferences for vertical vs. horizontal deflection (e.g. capable of keeping motor vehicle speeds in the 20–25 mph range)

POLIS Update

POLIS Priorities

Karen Vancluysen
Secretary General



Peer-to-peer exchange

Policy & Advocacy

Research

Innovation

105 Cities, regions and related entities

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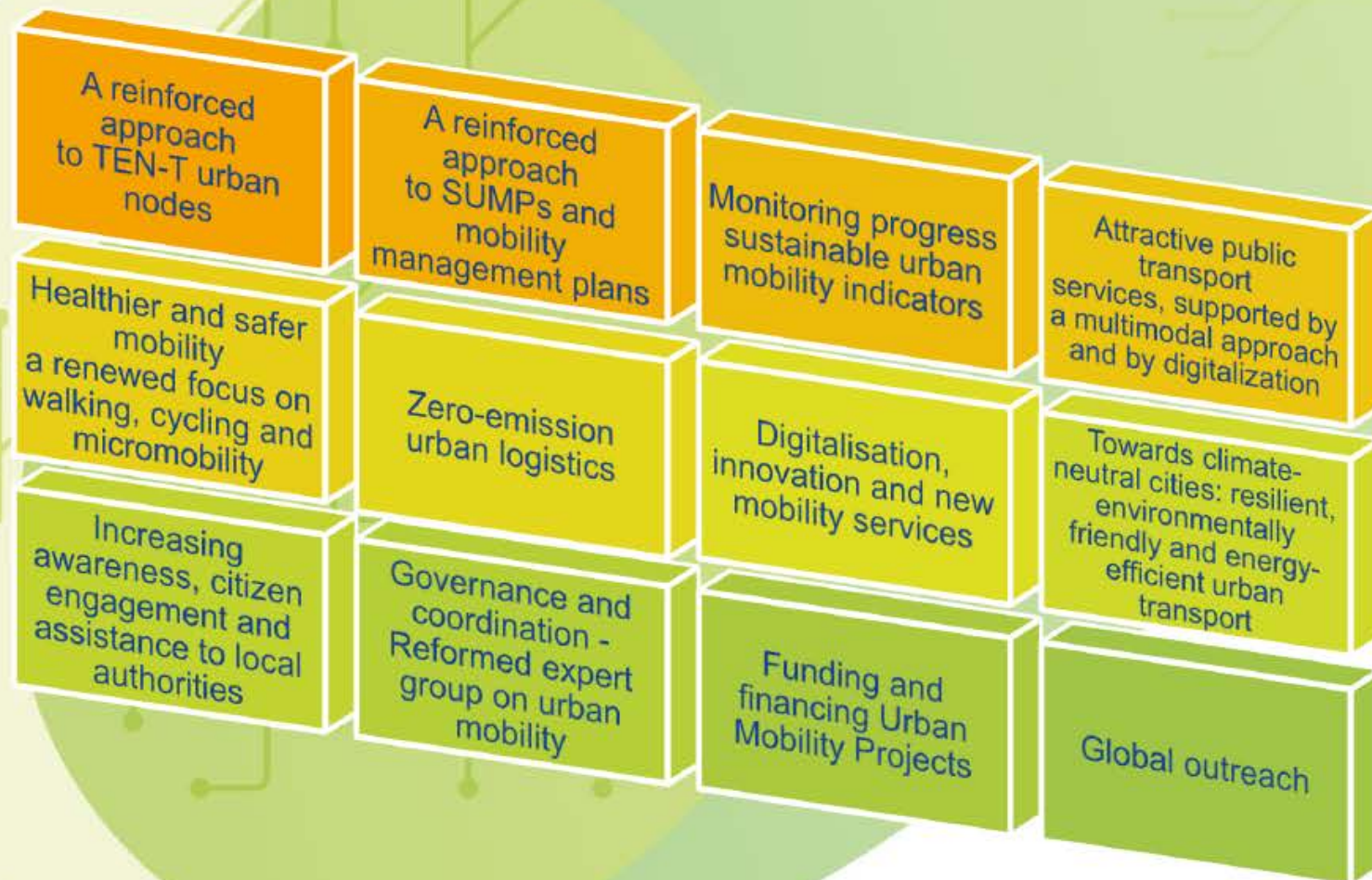
CITIES AND REGIONS FOR TRANSPORT INNOVATION



www.polisnetwork.eu

New EU Urban mobility framework

Building blocks





European Policy Context

- **Urban Nodes Revised Regulation:**
 - Urban nodes increased from 88 to 424 on Trans-European Transport Network
 - Expected to develop Sustainable Urban Mobility Plans by 2025
 - Have at least one multimodal passenger hub and one multimodal freight terminal by 2040
- **Smart and Climate-Neutral Cities Mission**
 - 100 cities to be climate-neutral by 2030

POLIS Working Groups



Environment & Health



Active Travel & Health
Clean Vehicles & Air Quality
Climate-Neutral Cities Mission
Taskforce



Traffic Efficiency



Traffic Efficiency (ITS, traffic management, automation, MaaS, data,...)



Access



Access (public transport, infrastructure, pricing...)
Parking



Safety & Security



Safety & Security
(street and road safety, protecting vulnerable users, gender...)



Governance & Integration



Governance & Integration
Urban Freight
Small and medium sized cities platform
Regions platform



POLIS Priority Topics

- Urban planning for active mobility
 - 15' city, transport & health, reallocation of space
 - Cycle highways, walkability
- Clean Vehicles & Air Quality
 - Low and zero-emission zones
 - Electromobility charging infrastructure
- Climate-Neutral Cities Mission Taskforce
 - Decarbonisation of transport
- Traffic Efficiency
 - Multimodal Network Management
 - MaaS
 - Vehicle Automation
 - Cooperative ITS
- Access
 - Curbside management
 - Urban vehicle access regulations
- Safety
 - Safe system approach
 - Vision Zero
 - Data collection
 - Speed management
- Governance & Integration
 - Shared micro-mobility: governance and data
 - Ppp's for shared mobility, integration with PT
 - Gender perspectives in urban mobility
 - Labour
- CO2-free city logistics



Just Transition

JUST
TRANSITION
AGENDA

FOR
URBAN
MOBILITY

POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

A WEBINAR SERIES BY
POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

**Achieving a
Just Transition**



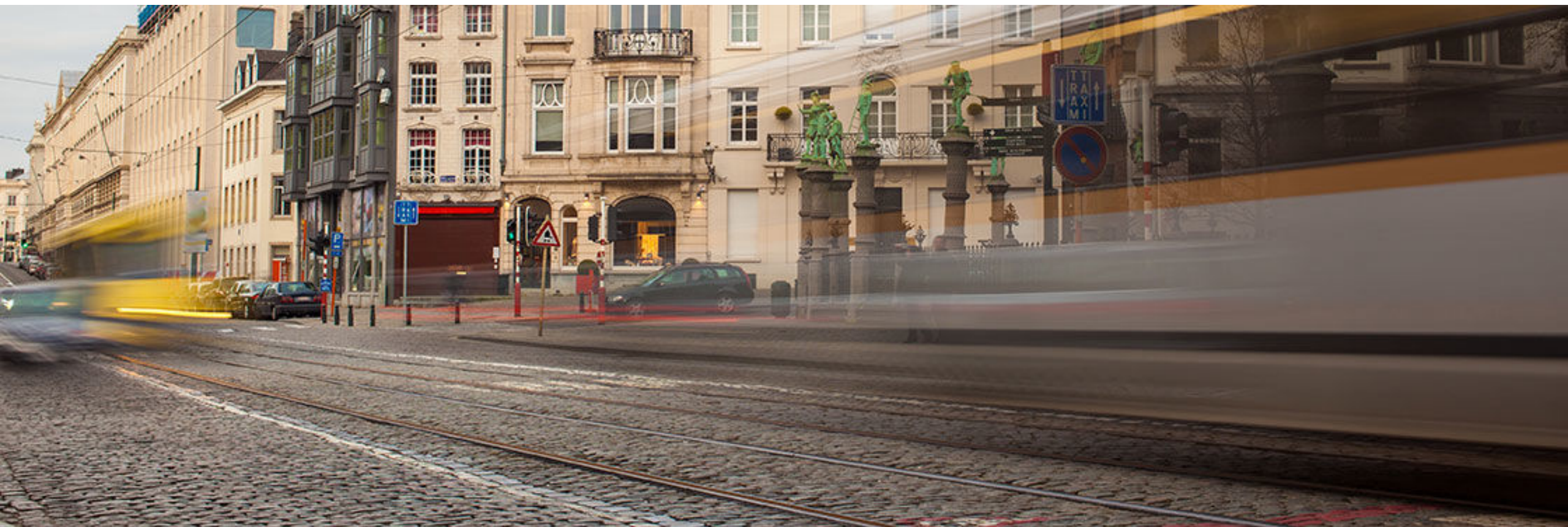
Annual POLIS Conference

**29-30 November 2023,
Leuven, Belgium**





Karen Vancluysen,
kvanclyusen@polisnetwork.eu



Liaison Updates



Identified Liaison Committees

- Pedestrians (ACH10)
- Bicycle Transportation (ACH20)
- Traffic Signal Systems (ACP25)
- Transportation Safety Management Systems (ACS10)
- Statewide/National Transportation Data and Information Systems (AED10)
- Urban Transportation Data and Information Systems (AED20)
- Transportation Demand Management (AEP60)
- Strategic Management (AJE10)
- Performance Effects of Geometric Design (AKD10)
- Roundabout and Other Intersection Design and Control Strategies (AKD80)
- Equity in Transportation (AME10)
- Accessible Transportation and Mobility (AME50)
- Transportation and Public Health (AME70)
- Economic Development & Land Use (AMS50)
- Transit Management and Performance (AP010)
- Urban Freight Transportation (AT025)

Federal Update: BTS



Bureau of Transportation Statistics

Work Plan to Provide Federal Support for Local Decision-making

Section 25003, Infrastructure Investment and Jobs Act



Greatest Local Needs

1. Data-focused technical assistance
2. Complete, timely, and granular benchmark data
3. Continued tool refinements



Section 25003 Assignment

No later than 1 year after enactment of P.L. 117-58, based on **outreach** performed to planning and infrastructure decision-making officials in units of local government and other units of government, BTS shall submit to the Secretary a **work plan** for reviewing and updating existing data and data analysis tools and developing any additional data or data analysis tools needed to assist local communities with making infrastructure investment decisions.

Topics

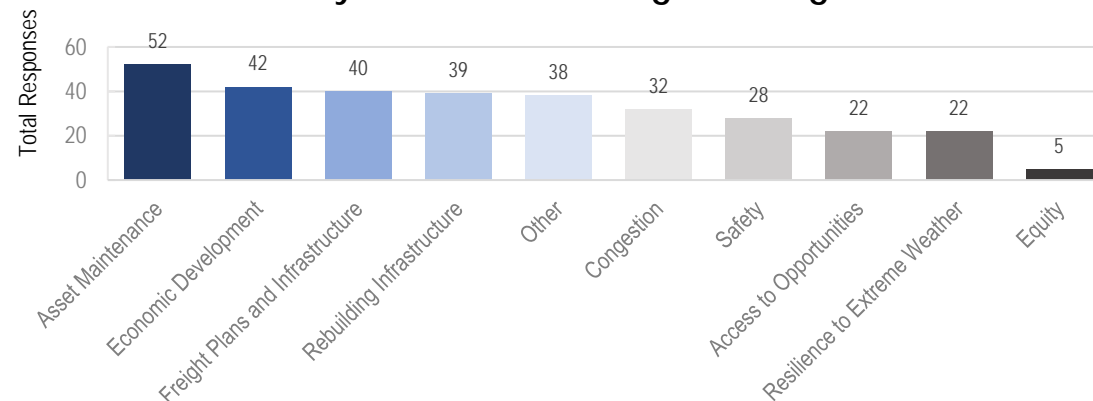
- Creating economic development through infrastructure development
- Rebuilding infrastructure to a state of good repair
- Establishing freight plans and infrastructure that connects the community to supply chains
- Reducing congestion
- Improving maintenance of existing assets
- Improving community resilience to extreme weather events
- Increasing options for communities that lack access to affordable transportation
- Other subjects



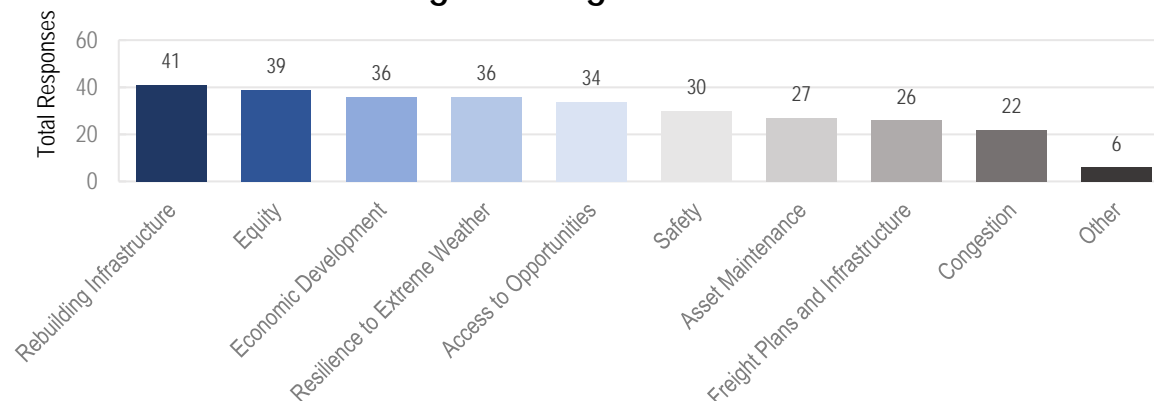
Outreach to Local Decision-makers and Stakeholders

Local Gov Type	Participating Organization
States	American Association of State Highway and Transportation Officials (AASHTO)
Political subdivisions of States	National Association of Counties (NACO)
Cities	National League of Cities (NLC)
Metropolitan planning organizations	Association of Metropolitan Planning Organizations (AMPO)
Regional transportation planning organizations	National Association of Development Organizations (NADO)
Federally recognized Indian Tribes	National Congress of American Indians (NCAI)
Transportation subject matter experts, researchers, and advocates	American Association of Port Authorities (AAPA), American Public Transportation Association (APTA), Airports Council International - North America (ACI-NA), Transportation Research Board (TRB), United States Government (USG), and the American Public

Today's Decision-making Challenges



Decision-making Challenges in the Next 4-6 Years



Central Themes

1. Granular Data
2. Data Standardization
3. Non-Vehicular and Non-NHS Data
4. Multimodal Network Model and Analysis
5. Private-Sector Data and Multi-Jurisdictional Collaboration
6. Funding and Grant Opportunities
7. Clear Definition and Use Expectation of Equity Metrics



Key Takeaways

- Lack of adequate data and analytical tools to provide effective evidence
- Lack of capacity on data and analysis tools hinders ability to apply for funding
- Existing data from public or private sources are in silos and incompatible
- Existing data and tools fail to capture the multimodal nature of the transportation system



Path Forward

- **Data now drives the transportation industry** and has the power to address the nation's largest transportation challenges
- **Funding the work plan is crucial** to support local infrastructure investment decisions
- Section 25003 (d) directs the Secretary to **develop data analysis tools and purchase datasets** as prioritized in the work plan
- Implementation is **subject to the availability of appropriations**
- Section 25004 authorizes to be appropriated **\$10M for each fiscal years 2022 through 2026** to be appropriated to the Secretary for use by BTS



Work Plan to Provide Federal Support for Local Decision-making

Section 25003, Infrastructure Investment and Jobs Act

Prepared by the Bureau of Transportation Statistics





Bureau of Transportation Statistics

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<https://www.bts.gov/local-outreach>

Strategic Plan



How do we serve our community & TRB?

3 Functions:

- Coordinate – provide a forum to coordinate needs and topics for cities
- Advise – communication and collaboration mechanism, serve as a resource for city expertise
- Convene – meet during the AM, work with committees to put on sessions and workshops



Convene

- Meet during TRB Annual Meeting (like now!)
- Regular updates to touch base
 - Quarterly Council calls with all members and friends
 - More frequent (monthly?) calls with members and leadership positions
 - Google Group and website updates
- Develop & promote sessions
 - We have **one session** to program ourselves, all others need to be led by another committee
 - Do we set an expectation that our member committees will host a session with a city connection?

Advise



Serve as a resource on city transportation

- **Maintain a list of reviewers on city topics that other committees can tap**
 - We do not get papers assigned to us directly
 - Revive the annual survey about interest/availability/areas of expertise
- **Find experts for other committees (beyond reviewers)**
 - How would you like us to find you?
- **Spread the word about city-oriented activities at TRB**
 - Create a curated agenda – first try this year!
 - Primarily via our Google Group, but also our Twitter
 - Other means?

Coordinate



Bring together the city-oriented folk of TRB

- **Working groups on our identified focus areas**
 - Advance workshop, webinar, paper calls, research needs statements
 - The meat of our work is done in these groups
- **Larger objective: city research needs conference/research agenda**
 - Ideally in collaboration with NACTO and other liaison organizations
 - Start planning now for a few years out
- **Push information in other TRB sources**
 - E.g. articles in TR News
- **Committee representation?**
 - Do we push for designated committee seats like young members and international have?

Engaging Cities in Research



City Transportation and TRB

- Because of the way transportation money flows, there is a strong bias towards a state perspective in TRB, and in transportation research generally.
 - Did you know? The State DOTs are core sponsors of TRB and the primary funders for NCHRP.
 - Did you also know? State DOTs have dedicated federal research funding.
- How do we get the city perspective better represented?
 - Figure out the money!
 - Identify the needs – our focus areas



Transportation Funding

- **States**
 - Dedicated State Planning & Research (SPR) federal funding – 0.5% of FHWA formula funds set aside
 - NCHRP funded by states and FHWA – they also vote on what gets selected
 - Pooled Funds – can efficiently and easily pool money (but not just states and not just federal \$)
- **Federal**
 - [Darren Buck]
- **University Transportation Centers & Academic Partners**
 - [Ruth Steiner]
- **Grants, Foundations, Other...**



ABE30's Key Research Focus Areas

- Designing cities for **changing populations** and conditions
- **Multimodal safety**
- Providing **equal access and mobility** for all users
- Best practices sharing on **innovative urban solutions**
- Balancing **competing demands** on the streets, including parking & freight
- Opportunities through **technology and data**
- Developing urban transportation **performance measures**
- Improving **relationships with partners**, such as MPOs, transit agencies, state DOTs, and federal agencies



Focus areas

- **Equity**
 - Advancing racial justice in cities through transportation policy
 - New approaches to addressing equity in urban transport - policy and mobility services
- **Covid's longer term impacts on cities and lessons learned**
 - Innovations from the Pandemic - street use, freight, changing modal demands
 - Responding to uncertainty
- **Organizations – staffing, structure**
- **Resiliency and sustainability**

See the ideas from 2 years ago: <https://old.poll.ly/#/LdnDKbJn>



Exercise

- Break into groups to build out some of the focus areas
 - Council activities
 - Funding city research/engaging cities in research
 - Topical areas – some starter suggestions, but don't limit your discussions
 - Safety
 - Planning
 - Active Transportation
 - Emerging Transportation
 - Design & Construction
 - Operations
 - Data & Analysis
 - Policy & Organization
 - Sustainability & Resiliency
 - Public Transportation
 - Freight

Open Floor

Closing Remarks



Seeking volunteers!

- Focus area work groups
- Strategic direction work group – how does the Council do its business
- Communications and Research

Interested? Email Stephanie!

stephanie.dock@gmail.com or stephanie.dock@dc.gov

Don't forget to self-nominate as a friend on MyTRB.org (A0030C)

<https://www.mytrb.org/Committees/SelfNominationAsFriend>



THANK YOU!

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Addendum

- TCRP Update Slides

