



## ***METRANS on the Move: our weekly newsletter written and produced by students***



### ***In the News***

The articles in this newsletter are prepared or accomplished by others in their personal capacity. The opinions expressed are the author's own and do not necessarily reflect the views of METRANS or its partners.



#### **USC Student Tour TraPac Terminal**

On October 7, USC students were given the unique opportunity to tour TraPac's Los Angeles Terminal at the Port of Los Angeles. Students were first given an overview presentation of TraPac and its innovative impact on the logistics and goods movement industry. The presentation was followed by an exclusive tour of TraPac's fully automated terminal.

Read more [here](#).



#### **CA, MA put high-earner tax increases on November ballots for transit, EVs, other initiatives**

In Massachusetts, where the state income tax is 5% for all residents, Question 1 asks voters to create an additional 4% tax on incomes over \$1 million. It requires an amendment to the state constitution, which states that income taxes "shall be levied at a uniform rate throughout the commonwealth."

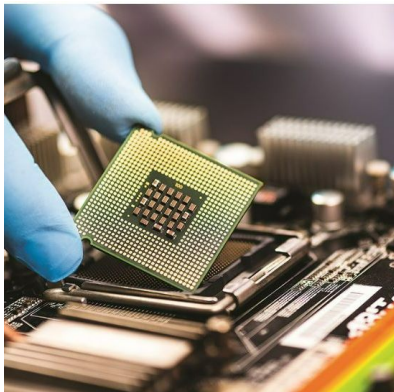
Read the SMARTCITIESDIVE feature [here](#).



## Denver's E-Bike Rebates Are So Hot They're Gone Within Minutes

Residents this month scooped up the latest lot of 400 vouchers within minutes of them becoming available on the city's online portal. It was the fifth round of the monthly program, which was first launched in April. Even Grace Rink, the city's chief climate officer who touts the program as a way to help Denver reach its climate goals and reduce air pollution, was surprised by how much of a hit the rebates would become.

Read the Bloomberg feature [here](#).



## Chip Delivery Times Shrink in Sign That Supply Crunch Is Easing

Chip delivery times shrank by four days in September, the biggest drop in years, in a sign that the industry's supply crunch is easing. Lead times — the gap between when a chip is ordered and when it is delivered — averaged 26.3 weeks in the period, according to research by Susquehanna Financial Group. That compares with nearly 27 weeks the prior month.

Read the Transport Topics feature [here](#).

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## Webinars & Online Events

### **New and Old Network Models for Design and Analysis of Shared Mobility System**

**Friday, October 21st at 10:00 am PDT (online and in-person), hosted by UC Irvine ITS**

Ride-hailing services emerged nearly a decade ago and have steadily grown in terms of their market share and impact on transportation systems and cities. In this talk, I will illustrate the power of networks in modeling these shared mobility services, across two studies. The first study develops metrics, based on a novel network-based quadratic program, to characterize the shareability potential of cities at a fundamental mode-agnostic level. The shareability metrics provide valuable insights into the sharing potential of an entire network, of specific network links and corridors, and of a particular node. The second study uses a simple, yet powerful, minimum cost network flow model on a time expanded network to determine fleet sizes for automated mobility-on-demand services. I will compare the proposed modeling approach with the state-of-the-art deterministic fleet sizing model, and illustrate the proposed approach's computational advantages (i.e., the problem size is independent of ride-hail trip count) and practical advantages.

[More Info](#)

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### **Webinar: ITS Davis Friday Seminar: Parking Cash Out**

**Friday, October 21st at 1:40 pm PDT, hosted by UC Davis ITS**

A bill in Congress, H.R. 8555, would amend the Internal Revenue Code to stipulate that employer-paid parking is not a tax-exempt fringe benefit unless an employer offers employees the option to receive an equivalent cash benefit or alternative tax-exempt benefit in lieu of the parking benefit. This federal legislation is based on California's 30-year-old law that requires many employers to offer parking cash out. This seminar will examine the rationale for parking cash out, why California has failed to enforce its parking cash out law, and why parking cash out has become a national issue.

[More Info](#)

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## **LA County Department of Regional Planning and APA Los Angeles Present: Community Planning Month 2022 Speaker Session**

**Thursday, October 27th at 11:00 am PDT (online), hosted by LA County**

The Rise of Freeway Cap Projects: Bridging Communities to Reunite Residents and Address Past Inequities and Environmental Injustice. It's no surprise that freeway development has historically impacted communities by creating a physical barrier that disconnects neighborhoods, leads to a lack of open and shared spaces, and results in negative health outcomes of surrounding residents. The lasting effects of these developments can create a deep fissure in the social cohesion and cultural connections of communities and often perpetuate community disinvestment by local government with no visibly organized center or community identity to advocate for resources.

[More Info](#)

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## **ACT and COMTO Present: The Transportation Career Fair**

**Friday, October 28th (online), hosted by ACT & COMTO**

The event will welcome employers from a wide range of sectors within the transportation industry, offering diverse career opportunities for students and recent graduates in the fields of planning, engineering, sustainability, environment, marketing, communications, and many other areas of study.

[More Info](#)

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## **Connect for Your Career: An Introduction to Professional Associations in Transportation**

**Wednesday, November 2nd at 2:30 pm PDT/5:30 pm EDT (online), hosted by WTS & MTI**

WTS-SF Bay Area and the Mineta Transportation Institute (MTI) of San Jose State invite you to join us for a free virtual event "Connect for Your Career: An Introduction to Professional Associations in Transportation." It will introduce university students and emerging professionals to Northern California transportation organizations that offer networking, professional development opportunities, and/or scholarship opportunities.

[More Info](#)

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## **Webinar: Six Minute Pitch: A Transportation Startup Challenge**

**Thursday, November 3rd at 1:30 pm PDT/4:30 pm EDT, hosted by Transportation Research Board**

A hit at our Annual Meeting since 2013, the Six Minute Pitch Startup Challenge is coming to TRB Webinars! TRB will host the webinar on Thursday, November 3, 2022 from 4:30 PM to 6:00 PM Eastern. Four presenters will pitch their cutting-edge, research-based concept for a transportation product or service-based business to a panel of distinguished transportation industry veteran entrepreneurs, investors, and industry leaders in just six minutes. It's a national transportation startup competition, but with a research-to-practice focused twist!

[More Info](#)

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## **Webinar: Cybersecurity Trends in Transportation**

**Thursday, November 17th at 9:00 pm PDT/12:00 pm EDT, hosted by Transportation Research Board**

The accelerating digital transformation of transportation systems and the increasing risk and sophistication of cyber threats requires a better understanding of the emerging cyber trends and lessons learned from new cybersecurity practices. TRB will host a webinar on Thursday, November 17, 2022 from 12:00 PM to

1:30 PM Eastern that will examine next-generation practices that may minimize vulnerabilities, defend against attacks, and rapidly recover and restore agency services and internal operations. Presenters will provide an overview of current cybersecurity practices in transportation and introduce several approaches to improve cyber resilience.

[More Info](#)

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### **Webinar: Expanding Microtransit Services and Improving the Rider Experience**

**Monday, December 12th at 10:00 am PDT/1:00 pm EDT, hosted by Transportation Research Board**

Passengers and potential passengers have higher expectations for transit services given the increased number of mobility options available today. Microtransit can help meet those expectations while expanding the transit services currently offered. TRB will host a webinar on Monday, December 12, 2022 from 1:00 PM to 2:30 PM Eastern that will explore how microtransit has been successfully implemented to improve the rider experience. Presenters will share ways to transform mobility and discuss public-private partnerships that can improve mobility.

[More Info](#)

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### **Webinar: Measuring and Managing Fare Evasion**

**Thursday, December 15th at 10:00 am PDT/1:00 pm EDT, hosted by Transportation Research Board**

Fare evasion has significant implications for the financial sustainability of transit systems. TRB will host a webinar on Thursday, December 15, 2022 from 1:00 PM to 2:30 PM Eastern that will explore the many facets of fare evasion and the recent past and emerging future of fare enforcement on transit systems. Presenters will discuss why and where fare evasion occurs, share proactive approaches to increase fare compliance, and how to respond to community and transit equity challenges.

[More Info](#)

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## *Fast Facts*

*Created for Students, by Students*

### **Automation, Electrification, and Shared Mobility in Freight**

**Author:** Miguel Jaller  
University of California, Davis

**Year:** 2020

**Keywords:** Automation, Electric Vehicles, Freight, Supply Chain, Goods Movement



Check this week's featured Fast Facts [here](#).

Looking for more Fast Facts? Check out the Fast Facts Page on [metrans.org](https://metrans.org)!

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## Pathways to Opportunity

### Geospatial Analyst Intern

ARUP

Apply ASAP

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### James A. Ditch Education Fund

Scholarship

California Transit Training Consortium

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### Transportation Planner

CSC Serviceworks

Apply ASAP

[see more info](#)

### Office of Research - Postdoctoral

Fellowships for Sustainability

Solutions

Apply by 11/15/22

See more info at

<https://provost.sma.usc.edu/prog/pfss/>

More Job Opportunities Here

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