



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.



Touring ESRI: Geographic Information Systems Applications and New Insights for USC Students

This past Tuesday, November 8th, pouring rain and heavy traffic did not deter USC students from visiting the Environmental Systems Research Institute (ESRI) Headquarters in Redlands, CA. As students from various academic disciplines toured the beautifully landscaped campus, they learned about the work and history of ESRI, a leader in geographic information systems (GIS) software.

Read more [here](#).



South Transit's T Line Hilltop Tacoma Link Extension Equips Last Light Rail Vehicle

The Sound Transit's T Line Hilltop Tacoma Link Extension has equipped its last light-rail vehicle. Each of the 66-foot-long cars is designed to carry more than 100 passengers. The eight-foot wide car has seating for up to 26 passengers with accessibility seating for passengers using wheelchairs and mobility devices and space for bikes.

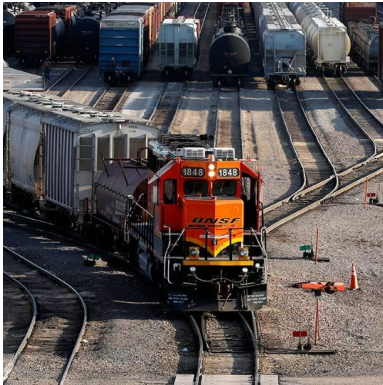
Read the Mass Transit feature [here](#).



Autonomous Vehicle Highway to Open in Virginia

A recently overhauled stretch of Interstate 66 in Northern Virginia will fully reopen by the end of the month, featuring three regular lanes, two managed lanes in each direction, and improved interchanges, said Nancy Smith, corporate affairs director at the consortium in charge of construction.

Read the SMARTCITIESDIVE feature [here](#).



EPA to Consider Tougher Locomotives Emissions Rules

The Environmental Protection Agency said Nov. 9 it will consider adopting stricter rules on locomotive emissions in response to concerns raised by California regulators. The EPA said it has set up a team to evaluate whether it needs to update the pollution standards for locomotives that it put in place in 2008, and to look at what the agency can do to encourage railroads to upgrade their locomotives.

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

Webinars & Online Events

National GIS Day 2022

Wednesday, November 16th at 5:15 pm PST (in-person), hosted by SAVi & MTI

The Spatial Analytics and Visualization Institute (SAVi) at San Jose State University will celebrate National GIS Day 2022 with a student poster competition. The student poster competition, welcomes submissions from SJSU and the broader GIS community in the Bay Area. Posters may focus on using GIS for transportation and environmental applications, including theory and practice of GIS and remote sensing, landscape design and urban planning, economic and mobility spatial analysis, transportation planning and design.

[More Info](#)

Webinar: Cybersecurity Trends in Transportation

Thursday, November 17th at 9:00 am PST, 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 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](#)

Webinar: Legal Considerations of Renewable Energy Production in State Right-of-Way

Tuesday, November 22th at 8:30 am PST/11:30 pm EST, hosted by Transportation Research Board

State departments of transportation (DOT) have used renewable energy sources to power small-scale or local needs for many years. For example, traffic lights may be powered by solar energy. Renewable energy production at the utility scale must adhere to a different set of federal and state policies. TRB will host a webinar that will address these rules and their relationship with various factors, including the financing mechanism that was used to acquire the right-of-way and ownership considerations.

[More Info](#)

Pedestrian and Bicycle Data and Performance Measures

Thursday, December 1st at 11:00 am PST (online), hosted by ITE Pedestrian and Bicycle Standing Committee

Data are the foundation for safety, equity and health analysis. Without data, our work as transportation professionals is reduced to guess work. Bicycle and pedestrian data are often sparse and the collection is limited by time and budget constraints. This webinar will cover both data sources and applications.

[More Info](#)

Addressing Freight Emissions in San José: Seven Objectives to Reduce GHGs

Tuesday, December 6th at 1:30 pm PST (online), hosted by MTI

Freight represents about 30% of transportation climate-damaging greenhouse gas (GHG) emissions in the United States, but many local climate action plans and freight plans put little emphasis on freight emissions reduction strategies. Routes to Lower Greenhouse Gas Emissions from Freight Transportation in the City of San José presents strategies for the City of San José to reduce GHG emissions from freight. While this study focused on GHG emissions from freight in a single city, the lessons gleaned from this case can be applied broadly to other cities and regions. Communities seeking to meaningfully reduce GHG emissions must focus on emissions from freight as a major contributor. By managing freight demand, utilizing low emissions modes, focusing on the last mile, and other critical objectives, we can reduce the negative impacts transportation emissions have on human and environmental health.

[More Info](#)

Webinar: Trends in Transit Ridership—Analysis, Causes, and Responses

Tuesday, December 13th at 10:00 am PST/1:00 pm EST, hosted by Transportation Research Board

Before the COVID-19 pandemic, transit ridership in the United States was on the decline. While agencies put more services in place and populations increased, transit usage continued to decrease due to density, telework, gas prices, and other factors. TRB will host a webinar that will address the results of the recent TCRP Research Report 231: Recent Decline in Public Transportation Ridership: Analysis, Causes, and Responses.

[More Info](#)

Webinar: Measuring and Managing Fare Evasion

Thursday, December 15th at 10:00 am PST/1:00 pm EST, 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](#)

Webinar: Scenario Planning: Forecasting the Impact of CAV's and other Uncertainties

Thursday, December 15th at 11:00 am PST/2:00 pm EST, hosted by ITE Transportation Planning Council

Transportation is experiencing several profound transformations, from changes in travel behavior due to the global coronavirus pandemic, to technology advances in vehicle communication and automation. These transformations affect the environment, social equity, and the economy at varying degrees. This webinar will discuss changing travel patterns, increases in teleworking, connected and automated vehicles (CAV), micromobility, and shared mobility, which are examples that bring new challenges and options to passenger and freight travel alike.

[More Info](#)

IAME Conference 2023

Sunday, September 3rd (in-person), hosted by METTRANS

Join us at IAME 2023, the International Association of Maritime Economist Conference, to explore and learn about what is next for maritime. The conference will be hosted in Long Beach, California.

[More Info](#)

Fast Facts

Created for Students, by Students

Charging Forward: Deploying Electric Vehicle Infrastructure for Uber and Lyft in California

Author: Alan Jenn

Year: 2021

Keywords: Electric Vehicles, Charging Infrastructure, Transportation Network Companies, Clean Miles Standard



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

Looking for more Fast Facts? Check out the Fast Facts Page on metrans.org!

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Pathways to Opportunity

Mobility Justice Internship

Active San Gabriel Valley

Apply by 11/30/22

[see more info](#)

Traffic Intern

City of Encinitas

Apply ASAP

[See more info](#)

[More Internships and Scholarships Here](#)

Transit Funding Program Analyst

Metropolitan Planning Commission

Apply by 11/27/22

[see more info](#)

Transportation Planner

DVRPC

Apply ASAP

[see more info](#)

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