METRANS on the Move | Vol. 14 Issue 01 | April 07, 2021. View this email in your browser



METRANS on the Move: our weekly newsletter by students

Happy April! Be sure to check out our new Fast Facts section!



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.



Meet METRANS Fast Facts Team

To enable quick access to research, METRANS has launched the Fast Facts project, an ongoing series of cuttingedge research summaries created by students for studentsand anyone - who'd like an easy to read introduction to new transportation research.

Biden's Infrastructure Plan to Total \$2.25 Trillion,

President Joe Biden announced a \$2.25 trillion climate change-centric infrastructure plan meant to repair the country's roads and bridges, and guarantee nationwide access to broadband internet and safe drinking water.

Read more here.

Include Corporate Tax Hikes

Read the Transit Topics feature here.



Spring 2021 Spring 2021 Spring 2021 Congestion Reduction via Personalized Incentives

Personalized incentives This within x wild locus resurch on developing mal-time algorithms to reduce traffic engination and improve routing efficiency by offering personalized incentives to drivers. The essence options the wide accessibility of smart communication devices and develops a real-



METRANS, PSR, NCST, USC ITE host Razaviyayn and Ghafelebashi for Congestion Reduction via Personalized Incentives Seminar

"Incentives and alternative routes should be chosen smartly in order to maximize the probability of acceptance by the driver and to avoid the creation of new congestion in other areas of the network."

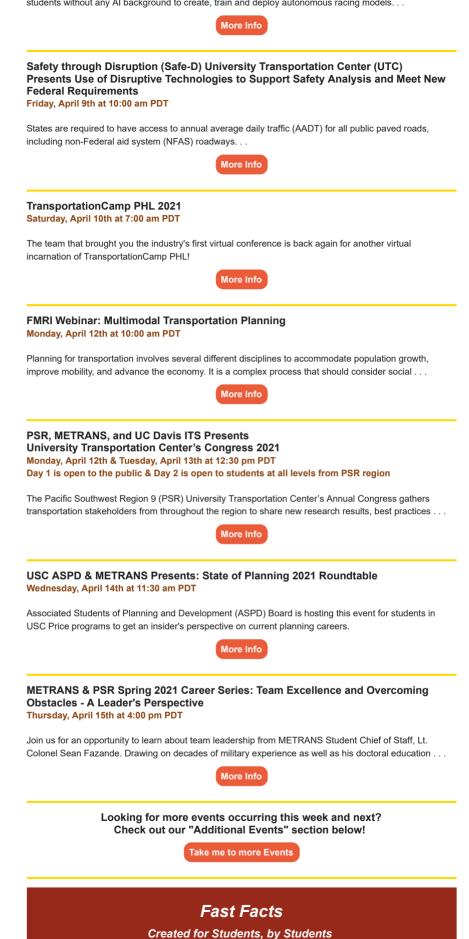
Read more <u>here</u> and click <u>here</u> for the NCST Publication.

Webinars & Online Events

Smart Mobility Connection Presents Smart Mobility Connection Seminar Friday, April 9th at 9:00 am PDT

METRANS Student Weekly News & Events

Leveraging a Al-based racing league, the Community College of Allegheny County engages skilled trade students without any Al background to create, train and deploy autonomous racing models. . .





Fast Facts

Cutting edge transportation research summaries Created for students, by students

The Opportunity Cost of Parking Requirements: would Silicon Valley be richer if its parking requirements were lower?

Authors: Michael Manville, CJ Gabbe, Taner Osman

Year: 2020

Keywords: parking, land use, urban mobility, transportation planning, policy, finance

What's going on?

Measured by GDP per capita, many of America's most productive metros- New York, San Francisco, Boston, etc.- are its most dense. Silicon Valley, however, is an outlier: it is less dense but much more productive than its peer regions. This raises two questions: why is its density relatively low, and would it be even more productive if its density was higher? We hypothesize that the low density arises in part because of Silicon Valley's large stock of parking.



What were the findings?

This study found that across seven Silicon Valley municipalities, the median share of a parcel devoted to parking is 52%. Had parking requirements been reduced by half, the region would have saved over 11 million square feet in parking space. This repurposed space could have provided over an additional 6,700 multifamily housing units and 12,800 jobs, amounting to 37% of Silicon Valley's actual job growth rate between 2000 and 2016. In summary, this study suggests that strict parking mandates do not just needlessly create an auto-oriented built environment. They also consume land that could be used much more productively in other ways.

What's next?

The findings in this study can ground municipal efforts to revamp outdated zoning codes and scale back detrimental parking requirements.

Read the full report on our website:

https://metrans.org/research/the-opportunity-cost-of-parking-requirements-would-silicon-valley-be-richer-if-its-parking-requirements-

were-lower-

The Pacific Southwest Region UTC conducts an integrated, multidisciplinary program of research, education and technology transfer aimed at improving the mobility of people and goods throughout the region.

Pathways to Opportunity

LADOT Volunteer Interns

Los Angeles, CA Apply by 04/16/21 See more info

WTS-OC Mentoring Program WTS-OC Virtual Apply by 04/09/2021 See more info

More Internships and Scholarships Here

Director, Transportation Operations

Los Angeles, CA Apply by 04/09/21 See more info

Principal Transportation Planner ODOT Portland, OR Apply by 04/12/2021 See more info

More Job Opportunities Here

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