



**Tab 26**

# Improving the Mobility of People and Goods

Karen E. Philbrick, PhD  
Executive Director  
Mineta Transportation Institute, SJSU



# Consortium Overview

- The [Mineta Transportation Institute](#) (MTI) at San José State University is a federally funded, *competitively selected*, university transportation center in the heart of Silicon Valley.

MTI leads the California State University Transportation Consortium (CSUTC) which unifies the surface transportation research and workforce development efforts of the 23-campus California State University system.

*Funded by the California State University Office of the Chancellor via **Senate Bill 1**, the Road Repair and Accountability Act of 2017.*

- Our mission is to improve the mobility of people and goods through surface transportation research, technology transfer, education, and workforce development.
- Named partners: CSU Chico, Fresno, and Long Beach and an annual competitive CSU-wide RFP



# Areas of Emphasis

- **Research:** MTI/SJSU directs a competitive CSU-wide RFP process to identify specific research projects aligned with SB 1 priorities. Annually, approximately \$800,000 is distributed through this competitive process. To date, 13 of the 23 campuses have been engaged in the CSUTC research portfolio.
- **Technology Transfer:** Research without implementation is not useful. As such, CSUTC has a robust dissemination method that includes professional presentations, peer-reviewed articles, congressional briefings, webinars, and other outreach efforts.
- **Education:** It is critical that we develop a new cohort of transportation professionals who are ready to lead a more diverse, inclusive, and equitable transportation industry. Our campuses provide a robust and multidisciplinary program of undergraduate and graduate degrees.
- **Workforce Development:** CSUTC leads the delivery of a suite of programs for elementary, middle, and high-school students to stimulate interest in careers in transportation.



# CTC Funded Research Needs



- Annually, MTI requests research needs statements from key stakeholders (e.g., CalSTA, Caltrans, CTC, elected officials, transit agencies, and more).
- The following CTC research needs have been funded\*:
  - Achieving Excellence for California’s Freight System: Developing Competitiveness and Performance Metrics Incorporating Sustainability, Resilience, and Workforce Development.
  - Implementation Strategies and Rate Setting for Road User Charges in California
  - Preconstruction Support Cost Analysis
  - Public Health Performance Indicator & SB 1 Transportation Funding Programs
  - “TELE-commuting” during the COVID -19 pandemic and beyond: Unveiling statewide patterns and trends of telecommuting in relation to Transportation, Employment, Land use, and Emissions in California
    - **CTC staff act as external advisors to the project teams!**

\*Please see the supplemental document that identifies all projects funded to date.

# Results and Impact: Highlights



- CSUTC has funded 130 research projects that have engaged:
  - Approximately 200 CSU faculty, researchers and staff (67 PIs and 131 other CSU faculty/research staff)
  - More than 250 students
  - 13 of 23 campuses: To date, 57% of CSU campuses have received competitively awarded research grants--Bakersfield, Chico, Dominguez Hills, East Bay, Fresno, Long Beach, Los Angeles, Pomona, San Diego, San Jose, San Luis Obispo, Sonoma, and Stanislaus.
  - 41 academic and professional presentations in CY 2020 based on CSUTC funded research

Thank You

Karen E. Philbrick, PhD

(408)924-7562

Karen.Philbrick@sjsu.edu