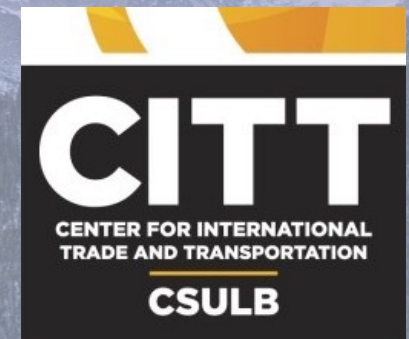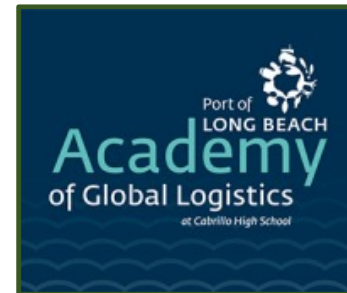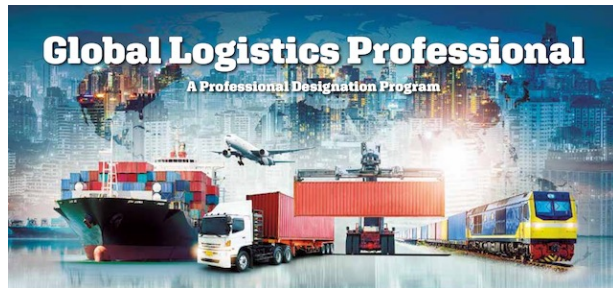Dr. Tom O'Brien, Director
California LTAP Center
tom.obrien@csulb.edu

Center for International Trade & Transportation
connecting and empowering the trade and transportation workforce

The California Local Technical Assistance Program

The California LTAP Center is based at the Center for International Trade & Transportation (CITT) at California State University Long Beach

"We are keenly focused on expanding our Center's reach and engagement and to be more receptive and responsive to the needs of a broader range of local public agencies in California, including those of underserved and disengaged smaller, rural, and tribal communities."

— *Tom O'Brien, Director, California LTAP*

What is California LTAP?

- FHWA/State DOT sponsored local technical assistance program (one of 51 centers nationally)

- Provide local, rural, and tribal road agencies with training, technical assistance, and technology transfer services to help them manage and maintain their roadway systems

- Mission: to improve the safety and performance of California's transportation systems by serving local agencies as the "place to go" for relevant information, resources, and training

- Dedicated to transferring innovative transportation technology and best practices to municipalities across the state

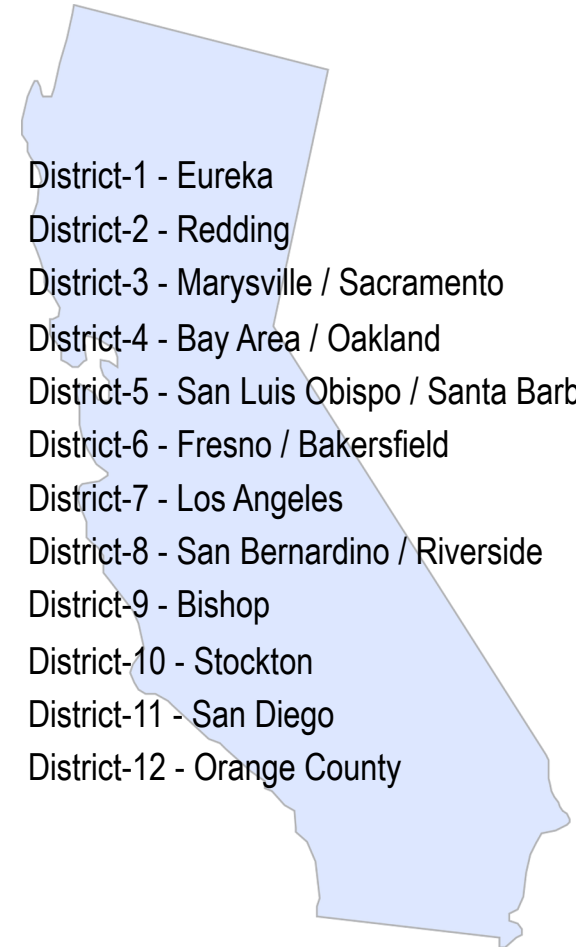- DLA-managed partnership: CITT, TechTransfer, Sac State CCE

California Local Technical Assistance Program

Who is California LTAP?

CA | LTAP

Administration, Outreach, Technical Support, Specialized Training

Berkeley TechTransfer
INSTITUTE OF TRANSPORTATION STUDIES

Professional & Technical Training

CTAP
COOPERATIVE TRAINING
ASSISTANCE PROGRAM

Administrative & Compliance Training

District-1 - Eureka
District-2 - Redding
District-3 - Marysville / Sacramento
District-4 - Bay Area / Oakland
District-5 - San Luis Obispo / Santa Barbara
District-6 - Fresno / Bakersfield
District-7 - Los Angeles
District-8 - San Bernardino / Riverside
District-9 - Bishop
District-10 - Stockton
District-11 - San Diego
District-12 - Orange County

CA | LTAP
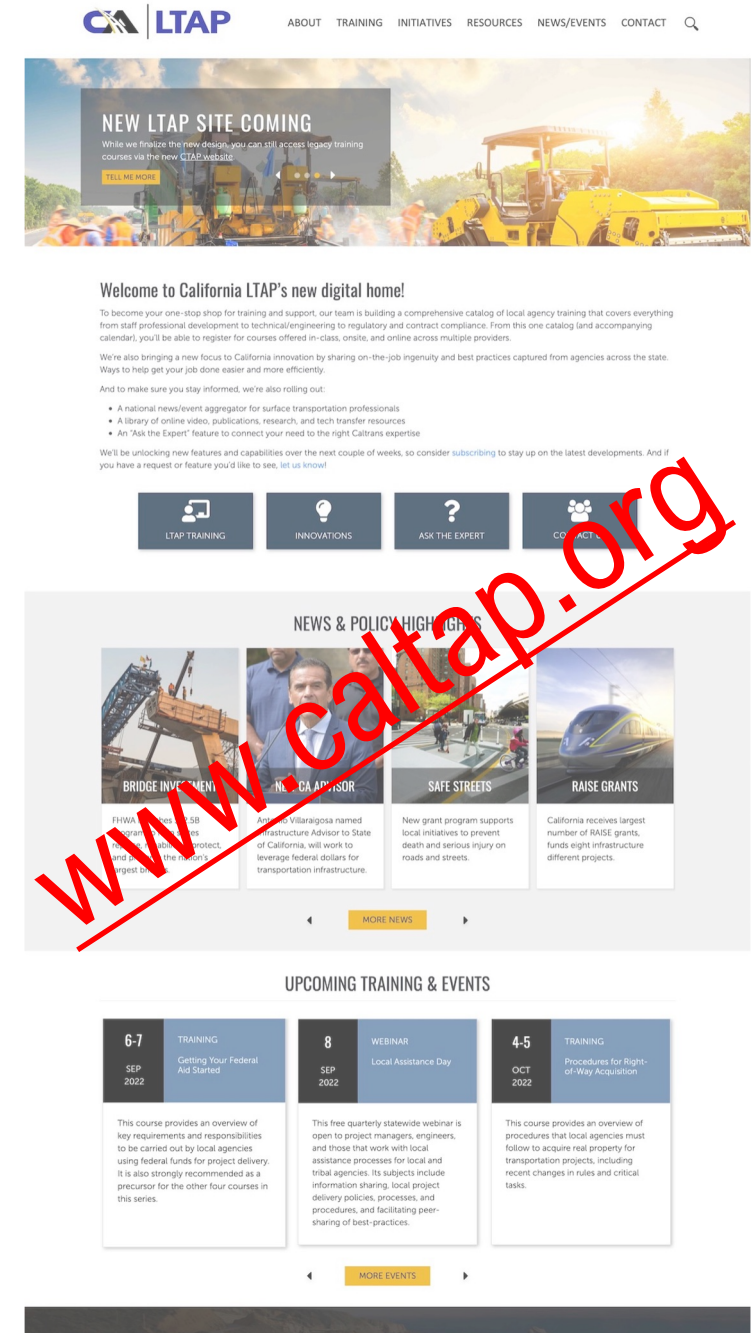California Local Technical Assistance Program

Our Service Area

- California's 600+ local public agencies (LPAs) responsible for maintaining the state's local and rural roadway systems & infrastructure

- 58 counties, 482 municipalities, 18 MPO/RTPAs, and 109 federally recognized tribal nations

- Represented as 12 statewide Caltrans Districts

- Includes LPA employees, agents, & contractors

- *How well do your agencies work w/ Caltrans?*

- *Would process or compliance training help?*

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California Local Technical Assistance Program

Our Priorities & Objectives

- "1-stop shop" for training & technical assistance

- Build a community of local agency partners

- Connect w/ underserved, rural, tribal agencies

- Spotlight agency innovation & best practices

- Assess & address agency training needs/gaps

- Improve local agency experience w/ Caltrans

- Provide quick access to industry news, policies, regs, funding opportunities, & professional development

- *How might CA LTAP better support your needs?*

CA | LTAP
California Local Technical Assistance Program

Popular Training Courses

Federal Aid Series

- Getting Your Federal Aid Project Started
- Requirement for Environmental Analysis
- Procedures for Right-of-Way Acquisition
- Federal-Aid Project Development
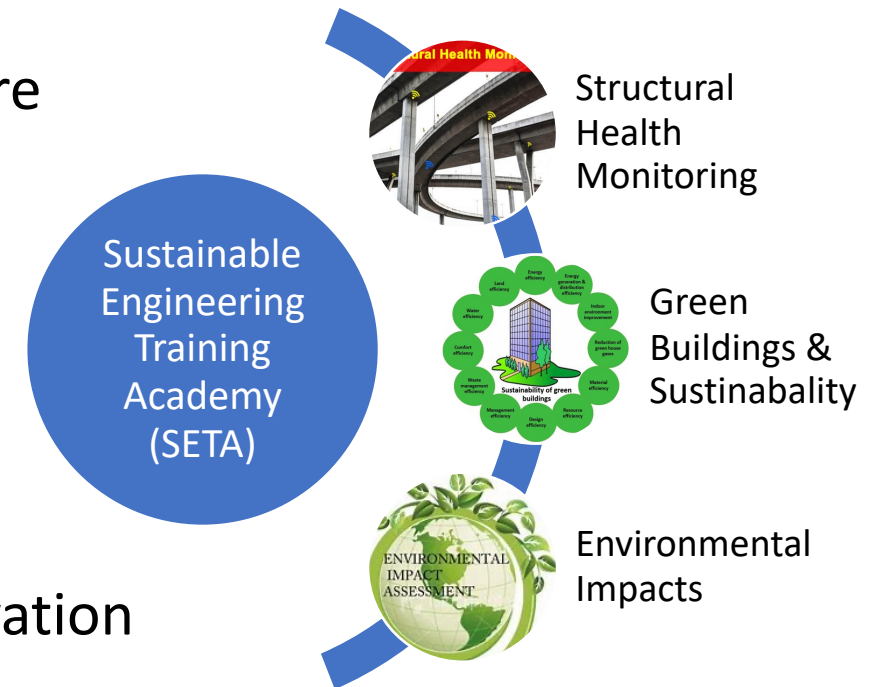- Federal Rules for Contract Administration

Resident Engineering Academy

- Labor Compliance, DBEs
- Claims & Claim Avoidance, Change Orders
- Project Completion & Invoicing
- Local Agency / Resident Engineer Liability
- Construction Oversight Responsibilities
- Scope of Work, Safety/Traffic Control

Technical & Engineering

- Pavement Engineering & Management
- Asphalt Concrete Materials & Mix
- Seismic Design of Concrete Bridges
- Construction Inspection of Traffic Signals
- BRT: Planning, Design, and Operations
- Planning Fundamentals for CA Streets
- Fundamentals of Traffic Engineering
- CA Traffic Engineering License Exam
- Roundabouts: Balancing Safety/Mobility
- Sustainable Parking Management
- California MUTCD Overview/Updates

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Specialized Training: SETA

- Sustainable Engineering Training Academy for transportation planning & construction engineers

- Identify, calculate, & help mitigate the environmental impacts of construction projects, existing infrastructure

  o Calculating project carbon footprint
  o Construction contributions to climate change
  o Primary/secondary air pollutants, impact on biodiversity
  o Elements of Green Building & certification process
  o Structural health monitoring systems/applications
  o Using CalEEMod to calculate/document

- Focus on practical applications, critical thinking, innovation

- *November pilot launch: now seeking industry participation*

Sustainable Engineering Training Academy (SETA)

Structural Health Monitoring

Green Buildings & Sustinabality

Environmental Impacts

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California Local Technical Assistance Program
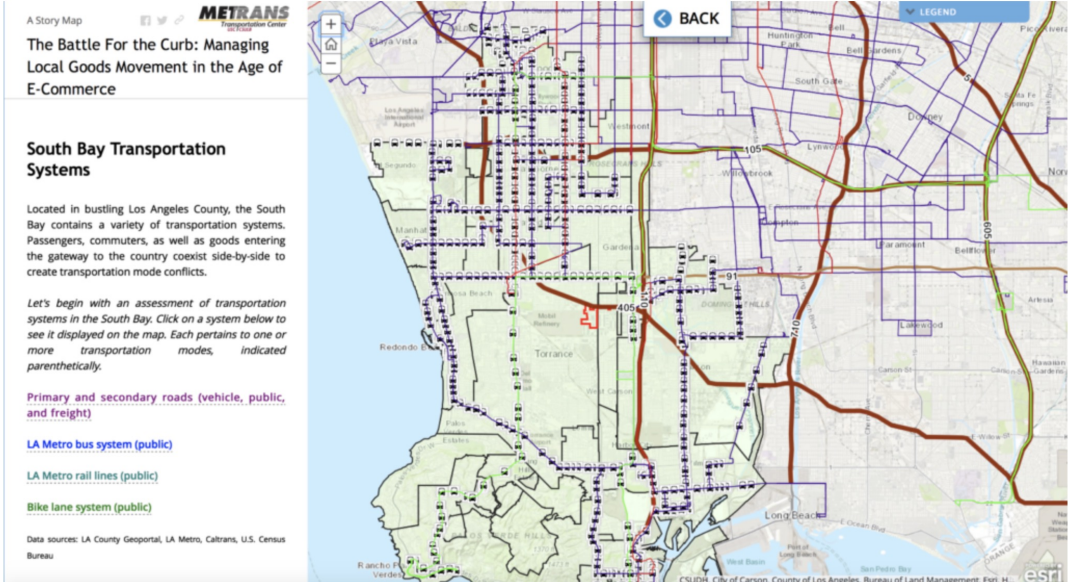
Specialized Training: GIS

- Digital Storytelling: The Value of StoryMaps
  Inform, inspire, and contextualize narratives with rich features like embedded text, images, videos, etc.

- An overview of GIS concepts/applications for LPAs
  - Introduction to GIS technology for local public agencies
  - Communicating complex data to a non-technical audience
  - Overview of GIS technology & geospatial datasets
  - Overview of GIS StoryMaps & data visualization
  - Asset tagging, management, location awareness
  - Working with ESRI's ArcMap GIS platform

- ***Is your agency using GIS technology?***

ArcGIS StoryMaps
Storytelling that resonates
Transform your digital storytelling with custom maps.

Engaging w/ CA LTAP

To find subsidized training, get technical assistance, or help us better understand your agency support needs:

- Visit our website: www.caltap.org

- Send us an email: cpace-californialtap@csulb.edu

- Request assistance: scott.jakovich@csulb.edu

- Follow us on social media:

  - LinkedIn (California LTAP)
  - Facebook (CaliLTAP)
  - Youtube: (California LTAP)

How can LTAP Help?

Would training improve your processes or efficiency?

Is professional development a staffing priority?

What challenges your ability to access state/federal program funding?

Do you have a succession plan for employee turnover?

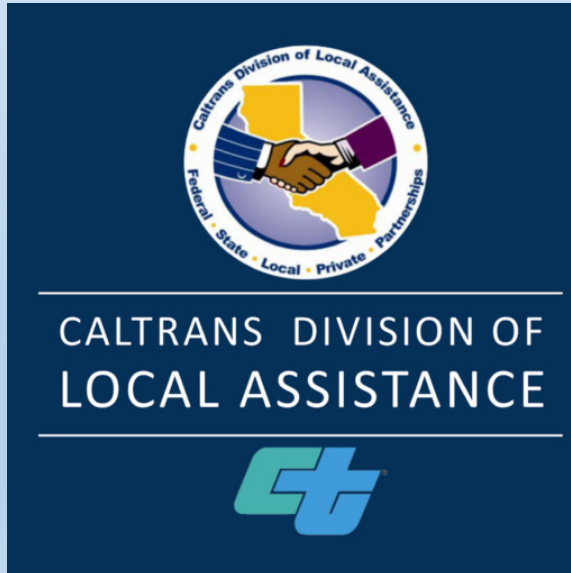*Any interest in an equipment loan program?*

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California Local Technical Assistance Program

California State DOT: Caltrans

Daniel Burke

CA Department of Transportation
Division of Local Assistance (DLA)
daniel.burke@dot.ca.gov

Caltrans DLA

- Serves over 600 local agencies
- $3.5B delivery budget (2021-22)
- 1200 projects authorized annually
- 2021 LTAP accomplishments:
  - 6188 workers trained
  - 61 training sessions
  - 637 training hours

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