

Announcing Caltrans
2021 WASHTO
INNOVATION QUALITY AWARDS



Congratulations to the winners of Caltrans 2021 Western Association of State Highway Transportation Officials (WASHTO) Innovation Quality Awards. These individuals and teams contributed innovative quality efforts toward improved performance within Caltrans.



1st Place | District 4 | Awarded \$1,500

360 TOURS: Interactive Project Simulations

Project Development East has created an interactive, web-based interface, so stakeholders can explore the existing corridor in 360 degrees. Simulations can be turned on, illustrating such impacts as sea-level rise & see the inundation of the existing roadway, as well as fly through design alternatives that illustrate the design proposal. This innovation can inform stakeholders of a project's potential impacts early in the design process. Being web-based, it is more accessible to a larger audience & increases stakeholder participation. This innovation gathers meaningful input in the development of our design alternatives mitigating costly redesign in later stages.

Award Recipients: Joaquin Pedrin, Wesley Bexton (William), Jeanne Gorham, Adrienne St. John
[Click here to view a video about this submission](#)



2nd Place | District 6 | Awarded \$1,250
ADA Data Collection System

D6 Asset Management is currently developing an ADA mobile data collector, review dashboard, & an inventory GIS webmap. This is being done in-order-to address several challenges surrounding the ADA inspection, inventory accuracy, & inventory mapping. Asset Management has designed & is continuing to improve on a scalable solution utilizing a suite of ArcGIS Enterprise applications to satisfy the business needs of construction, design, & the ADA Transition Plan. The solution has four primary components & objectives: (1) convert inspection from being paper-centric to a digital-centric workflow; (2) digitize the ADA review & certification workflow in real-time; (3) reconcile ADA data into a single relational database addressing the needs of all divisions; & lastly (4), allow ADA data to be spatially available, accessible, & transparent.

Award Recipients: Yinleng Vang, Affer Mays, Anthony Ng, Robert E. Polyack, Linda Garcia-Bianchi, Austin Serpa, Joeseeth Gallegos, Kenneth Sutterfield
[Click here to view a video about this submission](#)



3rd Place | District 3 | Awarded \$250
Trimble SiteVision: A High Accuracy Augmented Reality System

Trimble SiteVision is a high accuracy augmented reality system that provides real-world context to designs helping users to comprehend complicated plans and drawings in the field. Trimble's hardware allows the user to use 3D BIM models to visualize a roadway, structure or underground utility in augmented reality to the correct scale in the field.

Award Recipient: Mrudang Shah
[Click here to view a video about this submission](#)

2021 Annual WASHTO Innovation Quality Awards

WASHTO provides each member state the discretion to allocate awards in any denomination to selected Caltrans employees or teams, up to a **maximum of \$3,000** for their involvement in quality or innovation efforts. Efforts must address at least one of Caltrans Strategic Goals and the effort must be current (underway or completed) during the federal FY (October 1, 2020-July 30, 2021).

Posthumous Recognition **Doug Menzmer** Senior Bridge Engineer

Caltrans posthumously recognizes the innovative work performed by Senior Bridge Engineer Doug Menzmer through-out his career and most recently on the development of Accelerated Bridge Construction (ABC) pre-designed Fish Passage Bridges. Please view the embedded video in which Doug's peers and colleagues discuss Doug's innovative prowess and the legacy that he has left at Caltrans.

[Click here to view Doug's posthumous recognition video.](#)

