

Planning, Policy  
and  
Programming

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Project Title:  
Quantitative Performance Measures  
for the Caltrans System Investment  
Strategy

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Task Manager:  
Stuart Mori  
Associate Transportation Planner  
stuart.mori@dot.ca.gov

## Quantitative Performance Measures for the Caltrans System Investment Strategy

Aligning Project Nominations with the Climate Action Plan for  
Transportation Infrastructure Investment Framework

### WHAT IS THE NEED?

The Climate Action Plan for Transportation Infrastructure (CAPTI), developed by the California State Transportation Agency (CalSTA), identifies key actions necessary for implementation of the CalSTA sections of Executive Order N-19-19 and Executive Order N-79-20.

Under CAPTI Strategy 4.1, Caltrans is directed to, "Develop and Implement the Caltrans System Investment Strategy (CSIS) to Align Caltrans Project Nominations with the CAPTI Investment Framework". The Office of System Investment Planning has commenced work on the Interim CSIS, which defines a qualitative assessment of project alignment with the CAPTI Investment Framework.

More research is needed to establish criteria and measurement methodologies for programs identified in the CSIS. The CSIS will align project scoring criteria for project nominations with the key actions of the CAPTI.

### WHAT ARE WE DOING?

We will first identify various project types, performance measures and metrics. Second, we will document data sources, methodologies/calculations, applicable modes, and geographic areas. Third, we will conduct project evaluation and nomination. Lastly, we will train planners and other stakeholders on using the tool through a webinar and providing an assessment of potential phase II improvements.



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## WHAT IS OUR GOAL?

This proposed research aims to develop a robust set of quantitative performance metrics, measures, and methodologies to assess project alignment with the future CAPTI. The outcome of this research will allow for a data- and performance-driven approach to project evaluation and nomination that will be documented in the final CSIS document and implemented for State and Federal competitive programs and the 10-Year Non-State Highway Operation Protection Program Investment Plan.

## WHAT IS THE BENEFIT?

This research will identify measurement methodologies for programs identified in the Interim CSIS to support the key goals of the CAPTI.

## WHAT IS THE PROGRESS TO DATE?

The kick-off meeting will be in January 2023.

## IMAGES

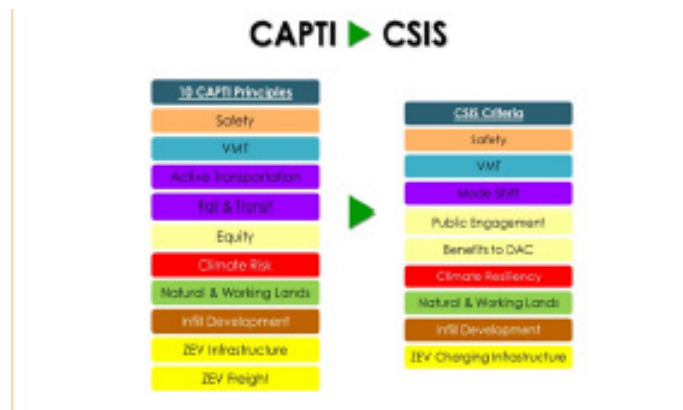


Figure 1: The CSIS establishes a set of scoring criteria based on the Ten CAPTI Guiding Principles.