

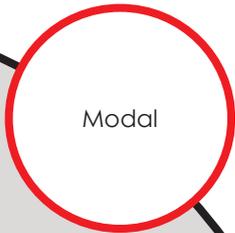


Caltrans Division of Research,
Innovation and System Information

Research



Results



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Project Title:

Quantifying Results of Key Transit Investments

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Quantifying Results of Key Transit Investments

Develop framework to monitor, analyze, and quantify the results of key transit investment programs.

WHAT WAS THE NEED?

The State of California provides millions of dollars of funding annually to transit projects through programs such as Transit and Intercity Rail Capital Program (TIRCP), Low-Carbon Transit Operations Program (LCTOP), and Prop 1B Public Transportation Modernization, Improvement, and Service Enhancement Account Program (PTMISEA). Caltrans requests a product that identifies key transit investments that have been funded through these programs, determines the data that needs to be collected, and then establishes a methodology to monitor and quantify the results. Some of the transit investments funded through these programs are completed and others are just beginning. In the former, Caltrans would like to quantify the results to link the transit investments to outcomes. In the latter, Caltrans would like to be proactive in determining what evidence to collect at various stages of the project to link the transit investments to the desired outcomes.

WHAT WAS OUR GOAL?

The goal was to develop a framework to analyze and quantify specific transit investment results.

WHAT DID WE DO?

This research identifies measures and metrics that are quantified for various key project investments and describes appropriate approaches to quantifying identified measures for some sample projects. Based on the preliminary investigation, there were ten measures identified to determine the project-level impact of specific investments across various transit agencies in California. These measures are accessibility, costs, greenhouse gas (GHG) emissions, land use, mobility, safety and security, service quality, travel time, economic development, and resource utilization.



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