

Planning/ Policy
&
Programming

APRIL 2017

Project Title:
MAP-21 Competition

Task Number: 2638

Start Date: September 26, 2013

Completion Date: April 30, 2017

Task Manager:
Scott Williams,
Transportation Planner
K_scott_williams@dot.ca.gov

Mineta National Transit Research Consortium

Parent Research Support Contract for 21 MTI Task Orders

WHAT WAS THE NEED?

Most recently, MTI successfully competed in the Surface Transportation Extension Act of 2011 to be named a Tier 1 Transit-Focused University Transportation Center. In the 2011 competition, MTI was selected as lead institution for a nine-university transit consortium (Mineta National Transit Research Consortium – MNTRC) funded by the Federal Transit Administration via the Office of the Assistant Secretary for Research and Technology (formerly the Research and Innovative Technology Administration) of the US DOT and tasked with “Delivering Solutions that Improve Public Transportation.” Consortium partners include: Bowling Green State University, Grand Valley State University, Howard University, Penn State University, Rutgers - the State University of New Jersey, University of Detroit Mercy, University of Nevada, Las Vegas and the University of Toledo. The consortium was awarded 3.5 million in US DOT grant funds for transportation research, education, workforce development, and technology transfer: \$2 million of this grant award went to MTI.

WHAT WAS OUR GOAL?

By working with the California University Transportation Centers (UTCs), such as MTI, Caltrans successfully leverages state funds and directly supports the work of the Caltrans’ Divisions and Districts. MTI has published, and will continue to produce, research that ties directly into the following strategic goals:



DRISI provides solutions and knowledge that improves California’s transportation system

- US DOT: Mobility, Global, Connectivity, Environmental Stewardship, and Security.
- FTA: Increase Transit Ridership, Improve Safety and Emergency Preparedness, Protect the Environment and Promote Energy Independence.
- FHWA: Operations and Mobility Policy Analysis, Planning, and Systems Monitoring Planning and Environment.
- Caltrans: Safety and Health, Stewardship and Efficiency, Sustainability, Livability and Economy, System Performance, Organizational Excellence.

WHAT DID WE DO?

The MTI's areas of expertise include alternative fuels, safety and security, public policy, finance, workforce development, livable communities, environmental sustainability, economic competitiveness, new modes, and many other critical factors essential to sustainable mobility. Research topics are selected annually through a carefully structured needs assessment process involving designated US DOT and Caltrans committees, the internationally prominent MNTRC/MTI Board of Trustees, and other national transportation leaders.

WHAT WAS THE OUTCOME?

There were 21 MTI tasks completed under the MTI parent contract:

MTI # Research Tasks (in order by task number)

MTI #	Research Tasks (in order by task number)
-	MNTRC – Tech Transfer
-	MNTRC - Workforce Development
1203	Integrating Highway and Transit Knowledge into Benefit- Cost Analysis (1203)
1205	A Tool to Evaluate and Optimize Multi-Modal Transit Access (1205)
1206	Comparing Modes of On-Board Transit Passenger Surveys
1208	Performance Measurement and Transit Data
1209	Promoting Intermodal Connectivity at California's High-Speed Rail Stations (1209)
1428	What Do Americans Think About Federal Tax Options to Support Transportation
1401	Park and Ride Linkage to Public Transit Service Productivity
1223	Modal Shift and High-Speed Rail: A Review of the Current Literature
1222	California Freight Mobility Plan (CFMP) and California Transportation Plan (CTP)
1222-2	Interregional Transportation Strategic Plan (ITSP)
1201	The Purpose, Function, and Performance of Streetcar Transit in the Modern US...
1202	Bicycling and Access to Transit by Low-Income Immigrants
1204	The Impact of Bike-sharing on Bicycle Safety in North America
1207	Transportation Futures for Deep Greenhouse Gas Reductions
1226	International Lessons for Promoting Transit Connections to High-Speed Rail Systems
1230	Passenger Flows in Railway Stations and Platforms
1233	The Nexus Between Infrastructure and Accessibility
1501	Transportation Data Trends and Best Practices for Caltrans, Division of Research, Innovation and System Information (DRISI)
1502	A Comparative Analysis of High Speed Rail Station Development into Destination

The contents of this document reflect the views of the authors, who are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the California Department of Transportation, the State of California, or the Federal Highway Administration. This document does not constitute a standard, specification, or regulation. No part of this publication should be construed as an endorsement for a commercial product, manufacturer, contractor, or consultant. Any trade names or photos of commercial products appearing in this document are for clarity only.



WHAT IS THE BENEFIT?

MTI emphasizes policy and management research, rather than technical research, and selects only those projects with immediate and practical value for transportation officials and practitioners. The benefit to Caltrans is to acquire knowledge and implementable research products that will help the Department address the myriad of transportation issues and challenges of today and tomorrow.

LEARN MORE

To view the Task Order reports go to:

<http://transweb.sjsu.edu/mntrc/>