

## **RESEARCH NOTES**

Program Steering Committee (PSC): Planning/Policy/System Information (PPSI)

NOVEMBER 2014

Title: UCTC, Region IX, (SAFETEA-LU (Augmentation))

Task Number: 2568

Start Date: June 30, 2014

Completion Date: January 31, 2017

Product Categories: New or improved policy, rule, or regulation; New or improved technical standard, plan, or specification; New or improved decision support, simulation, algorithm (software).

Task Manager:

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### **TITLE:**

University of California Transportation Center (UCTC), Region IX, (SAFETEA-LU Augmentation)

The University of California Transportation Center (UCTC) Research Consortium is led by the University of California, Berkeley. Core consortium members include the University of California, Davis; University of California, Irvine; University of California, Los Angeles; University of California, Riverside; and University of California, Santa Barbara. Affiliate members include the University of California at Pomona; University of California at Sacramento; University of California at San Bernardino; and the University of California at San Luis Obispo.

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### **WHAT IS THE NEED?**

The UCTC was awarded a \$3.4-million Region IX grant from the United States Department of Transportation (US DOT), authorized under the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users. The funds will be used for transportation research, workforce development, technology transfer, and education.

### **WHAT ARE WE DOING?**

The UCTC conducts research to meet the US DOT's strategic goals of *environmental sustainability, economic competitiveness and livability*, and focuses on the connections between these goals.

## **WHAT IS OUR GOAL?**

The consortium focuses on three themes identified by USDOT in its strategic plan—environmental sustainability, economic competitiveness, and livability—and, importantly, the connections between them. Advancing each of these objectives is important in and of itself; however, the UTC recognizes that the three are closely inter-twined and oftentimes co-dependent. The UTC will give particular attention to the synergies that can be created and cross purposes that are served when working in a coordinated fashion on all three fronts.

## **WHAT IS THE BENEFIT?**

There is no better intellectual environment for conducting cutting-edge research and advancing basic and applied knowledge in these areas than across the campuses of the University of California. The three themes are also highly relevant to the multitude of contemporary policy and technological challenges currently facing the transportation sectors of California and other southwestern states.

## **WHAT IS THE PROGRESS TO DATE?**

### Year 1 Projects:

- Balancing Life-cycle Cost and Life Impact Consideration in Pavement Management;
- The Value of BART – An Event Study Approach;
- An Activity-based Toolbox for Planning Applications with Special Relevance to Transit;
- Infill Dynamics in Rail Transit Corridors;
- Evaluation of Signalized Intersection Safety Using Centrac System;
- Towards Inferring Welfare Changes from Changes in Curbside Parking Occupancy;
- Accounting for Interregional Transportation Plans: A comparison of Attribution Methods;
- Spatial Transfer of Travel Behavior in California;
- Goods Movement and Industrial Land Supply; and
- Transportation Finance Research Topics:
  - Transportation Partnerships in 21<sup>st</sup> Century California
  - California Cap & Trade and the Future of Transportation Finance in California
  - Mapping the Trajectory of California Transportation Finance
  - Research in Support of a California Road User Charge Demonstration Project
- Caltrans' High Priority Research Projects:
  - Finance Study
  - State Travel-Survey: Use of data to meet Caltrans' Research Needs
  - Connected Corridors/Managed Lanes Study

### Year 1 Technology Transfer Activities:

- University of California Los Angeles Arrowhead Symposium on Transportation - Land Use – Environmental Connection: Resilient Cities and Regions
- Develop and build and all-new Access Magazine website that is mobile-responsive for all articles from all 44 Issues
- Downtown Los Angeles Forum on Land Use, Transportation, and the Environment

- Fall 2014 Lecture Series plus webcast, including: Pat Mokhtarian (Martin Wachs Lecture), and Janette Sadik-Khan (UC Regents Lecture), and 4 other lectures

Year 2:

- Developing a Transit Priority Measurement Tool for Transportation Concept Reports and other Year 2 projects, to be determined.