



Caltrans Division of Research,  
Innovation and System Information

# Research



# Results

Planning, Policy  
&  
Programming

## 2014 Transportation Asset Management Conference and Training on Implementation Strategies

Attended a Transportation Management Implementation Workshop on April 28-30, 2014, in Miami, Florida with 21 other states/agencies.

JULY 2015

**Project Title:**  
Transportation Asset Management Research Program

**Task Number:** 2515

**Completion Date:** January 1, 2015

**Task Manager:**  
Scott Williams,  
Project Manager  
k\_scott\_williams@dot.ca.gov

### WHAT WAS THE NEED?

There is a significant interest among State and local transportation organizations in implementing Asset Management. To date, more than 25 States have already undertaken several forms of the initiative. There is a need for State transportation departments to come together to learn how to better enhance their implementation of asset management.

### WHAT WAS OUR GOAL?

The goal of this task was to provide the following information:

1. Provide communication and information sharing among member states. Discuss research needs and provide research ideas to TRB.
2. Provide a technology and knowledge exchange forum to enhance the practical knowledge of member states concerning asset management implementation.
3. Enhance the working knowledge of the asset management community.

### WHAT DID WE DO?

The Transportation Research Board (TRB) was retained by FHWA to provide assistance in the following tasks below:



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

1. Learning Session/TAC meeting – Coordinate a workshop Technical Advisory Committee meeting for member states to learn and review issues associated with implementation of asset management. Since member states may be at different stages of implementation, this is an opportunity to share best practices and strategies for overcoming certain challenges. This meeting may be planned as a separate webinar or may be held in conjunction with the conference.
2. Asset Management Conference – Provide a venue for the member states to exchange information on the challenges to asset management implementation. The pooled fund will help support conference and expert state and local speaker travel and expenses. The pooled fund will not support private industry personnel travel or expenses. Because the pooled fund will be a primary funding source for the conference and associated workshops and speakers, the number of partner states will directly influence the number of expert speakers and related conference sessions and workshops.

One member from up to 8 partner states will be invited to serve on the conference planning committee (invitations prioritized based on the order of commitments received). Active conference planning participation will enable member states to work with experts in the field, shape the conference program, evaluate their agency's current capacity in all areas of asset management, and help determine priorities for their agencies.

3. Training – Post wrap-up "Implementation Strategies" webinar for partner states. Additional webinar training from conference highlights may be provided as funds allow.

The conference is proposed for the spring of 2014. Deliverables will include quarterly report updates, at least one webinar as a follow-up to the conference, and a final summary report of the conference. Additional webinars may be provided

as funds allow.

## WHAT WAS THE OUTCOME?

The Transportation Research Board and the American Association of State Highway and Transportation Officials, with support from FHWA's Office of Asset Management, hosted the 11th National Conference on Transportation Asset Management in April, 2014.

Transportation agencies were provided forum to identify successful strategies for implementing transportation asset management principles. Speakers provided guidance on applying asset management concepts to pavement and bridge assets, as well as nontraditional assets such as traffic management systems and data resources. A new track helped transit agencies learn how to efficiently maintain a state of good repair using transportation asset management approaches. The conference sessions followed the four following tracks:

- A Focus on Implementation
- Beyond Pavements and Bridges
- Good Practices in Management and Operation of Pavement and Bridge Assets
- Transit State of Good Repair

## WHAT IS THE BENEFIT?

This track analyzes America's transit system for its state of good repair by examining the significance of the term "state of good repair" from an array of different perspectives, including current operations and management standards, performance measures for rail and bus transit systems, transportation asset management practices, and sources of financial support for repair initiatives.

This track examines case studies of successful asset management initiatives to shed light on the relationship among operation, preservation, and maintenance activities and how these activities drive decision making. In addition, this



track reviews current strategies for integrating pavement and bridge management activities into a more general asset management program to evaluate system performance. The presentations will target consultants and transportation agency practitioners who seek to enhance the use of asset management principles and practices related to managing pavement and bridge assets.

Geotechnical and ancillary structures, signs, and sidewalks are among other assets that concern transportation agencies. This track highlights the unique aspects that distinguish these assets from pavement and bridges and illustrates how agencies can manage other assets through similar strategic principles and a performance-based strategic resource allocation process, with an emphasis on using information to support the decision-making process. This track features speakers from transportation agencies who have first-hand experience in collecting data, using analytical tools, assessing program risks, and setting targets to support the decision-making process.

## LEARN MORE

The conference summary, prepared as part of this project, is available as a separate document on the TRB website. Most of the PowerPoint slides from the conference are available at

<http://onlinepubs.trb.org/onlinepubs/conferences/2014/AssetManagement2014/Program.pdf>

Linda Narigon  
[Linda.Narigon@dot.iowa.gov](mailto:Linda.Narigon@dot.iowa.gov)  
Phone: 515- 239-1471