LEAD STATES TEAM
SYNOPSIS

Construction Analysis Software Tools (CAST)

LST Members

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Activity Period

2007 – 2009

Cost of LST Effort

$29,515.46

Proven benefits of CAST:

- Improve work-zone safety

- Enhance traffic flow through construction work-zones

- Improve public perception of construction cost and user delays

- Optimize construction staging to offer the most cost-effective solution

What the LST Did

The task of the LST team was to promote the use and adoption of Construction Analysis Software Tools (CAST) throughout the country by showcasing various tools that provide managers and decision makers with information on alternative construction options to minimize traffic congestion.

Over a three-year period, their implementation efforts focused on:

CAST technology features software packages that provide decision-makers with information on construction options that minimize traffic congestion during roadway construction projects.

- The development and implementation of fact-gathering surveys.

- The development of a broad promotional outreach for CAST through various means of communication.

- Traveling to give presentations at national meetings and to visit member states for hands-on training and demonstrations.

Fact Gathering Surveys: The first and last steps of the team's implementation process were to develop and conduct surveys inquiring about DOT interests and knowledge of CAST, as well as state practices related to construction management.

Outreach Strategies: The team developed and distributed a brochure that explains the current tools available to state DOTs. The brochure showcases what CAST products can do, how they can be used, what they cost, and who to contact for more information. The team has also developed presentation materials for regional workshops and national conferences.

Training and Demonstrations: The primary implementation effort included giving presentations at nine national conferences and meetings, holding four workshops and webinars, and visiting numerous state DOTs to discuss CAST software capabilities.

What the LST Accomplished

Measuring Success: CAST Progress

This technology is spreading across the country. In less than three years, over half the states are using CAST as a way to improve safety.

☐ = *No reported CAST activity*　　🟥 = *Currently using or in the process of implementing at least one CAST product*

2007

2009