Asset Management for a Durable Infrastructure

Practical Perspectives
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ASSET MANAGEMENT FOR A DURABLE INFRASTRUCTURE

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Asset Management at Work: Practical Perspectives on an Evolving Strategy
David L. Blake, Sue McNeil, and Kathryn A. Zimmerman

Whatever the infrastructure asset to be maintained, the principles of asset management can apply. Articles in this issue showcase a range of asset management experiences and successes, illustrating the principles at work in particular environments and offering practical insights into an evolving, proven, and valuable strategy.

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6 Asset Management to Improve Highway Performance:
Lessons from North Carolina and Tillamook County, Oregon
Patricia M. Bugas-Schramm and Lacy D. Love

The North Carolina Department of Transportation and Tillamook County Public Works in rural Oregon have worked to convert data about their activities, projects, and programs into information that decision makers can use in managing performance across a range of assets while minimizing cost and risk. Here are the challenges faced and the solutions that worked—which also have gained community support.

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Mara K. Campbell

Missouri DOT has achieved significant improvements in pavement and other assets by implementing throughout the organization a performance management approach—data-driven, results-focused, accountability-based, and incorporating asset management practices. The system offers flexibility to adapt to customer needs and to an uncertain funding environment.

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In Michigan and Wisconsin, statewide initiatives have encouraged local agencies to adopt an asset management approach to paved road conditions. Many local agencies are using asset management to educate decision makers and stakeholders about the basics of pavement deterioration and to explain the logic and sense of a mix-of-fixes preservation strategy.

28 Visualization of Transportation Assets with Geobrowsers:
Cost-Effective Tools for Exploration, Interaction, and Decision Making
M. T. Darter, T. A. Lasky, and B. Ravani

Geobrowsers that use free or low-cost software have opened new opportunities for asset visualization, improving ease of use by transportation staff from diverse professional backgrounds, as well as by the public. Geographic visualization can assist in asset management by emphasizing exploration, interaction, and decision making.

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The Right Fix at the Right Time
Kirk T. Steudle

For nearly two decades, Michigan DOT has applied an asset management approach to investing in its infrastructure, and local transportation partners have worked to do the same for almost 10 years. The state agency’s director reviews the practical lessons and the benefits, as the legislature considers funding allocations in adverse economic times.