

<b>UTC Project Information</b>	
Project Title	Use of Comparative Efficiency Analysis to Optimize Transportation Infrastructure
University	University of Wisconsin-Madison
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Funding Source(s) and Amounts Provided (by each agency or organization)	\$84,510: NEXTRANS Center/USDOT \$84,510: Compass 2012 (WisDOT)
Total Project Cost	\$169,020
Agency ID or Contract Number	DTRT12-G-UTC05
Start and End Dates	1/1/2013
Brief Description of Research Project	<p>The main purpose of this research is to present an analysis of an alternative strategy for optimizing transportation infrastructure maintenance decision-making. The approach being proposed is based on performance-based resource analysis, which balances competing objectives and perspectives of multiple stakeholder groups while considering the amount of resources available, as described in NCHRP Report 666. Performance-based analysis focuses on the concept of spending efficiencies and performance-based resource allocation. It also encourages the use of performance targets and the ways to develop and maintain them over time. Performance targets have to become a part of the business process that directly links organizational goals and objectives to available resources and results. In performance-based resource analysis, targets are critical when evaluating the effectiveness of investment decisions.</p> <p>The primary benefit of this research is that it empowers maintenance administrators in state transportation agencies with a new and innovative integrated solution to make decisions</p>

	<p>and set policies related to transportation infrastructure maintenance. The result of this research provides an alternative way to look at how efficient maintenance spending has been, and gives maintenance administrators a chance to figure out the most efficient way to allocate and distribute maintenance funds.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	

Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project website</li></ul>	