

- Web-based software will allow easy access and data sharing

- Customizable for different applications
- Based on most current information

INTRODUCTION

Maintenance and construction programs are arguably one of the most important functions of States' DOT. During the construction period there are temporary traffic disruptions which lower productivity of both citizens and business in the state and region. Therefore, some states have taken a proactive role in determining "Road User Costs" to make informed decisions regarding the inclusion of incentives/disincentives clauses in the road construction contracts to reduce the temporary delays to the taxpayers. However, Road User Cost calculations are typically based on outdated information with many variables resulting in a time consuming process with poor estimations.

With our technology, accurate information is readily available in a web-based application that can be customized for your organization to enable decision makers to weight the impact of their decisions on the direct road construction cost versus the temporary loss of productivity and frustration of road user.



HOW IT WORKS

This technology is based on a sound understanding of road construction and industry accepted information from the 2003 version AASHTO publication on "User Benefit Analysis of Highway and Bus-Transit Improvements (red Book) and the 2000 edition of "Highway Capacity Manual".

With a multitude of variables affecting the Road User Cost calculation, consistent outputs may be difficult to obtain. Based on your particular needs, this technology can be tailored to reduce variables for specific road conditions, traffic patterns, and traffic volumes.

Summary Example of RUC Results

Value of Time Per VMT	\$0.200
Operating Cost Per VMT	\$0.650
Accident Cost Per VMT	\$0.004
Value of Time Per Weekday	\$4,266.000
Operating Cost Per Weekday	\$13,823.000
Accident Cost Per Weekday	\$98.000
Total RUC Per VMT	\$0.850
Total RUC Per Weekday	\$18,188.000

OPPORTUNITIES

This copyrighted technology is available for licensing or custom development to meet your needs. The Innovation for Construction and Engineering Enhancement (ICEE) at the University of Southern Mississippi offers research and application development in construction management, education, information technology and safety.

Noetic Technologies, Inc. is an initiative of The University of Southern Mississippi geared toward marketing and commercialization of the university's technology.

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