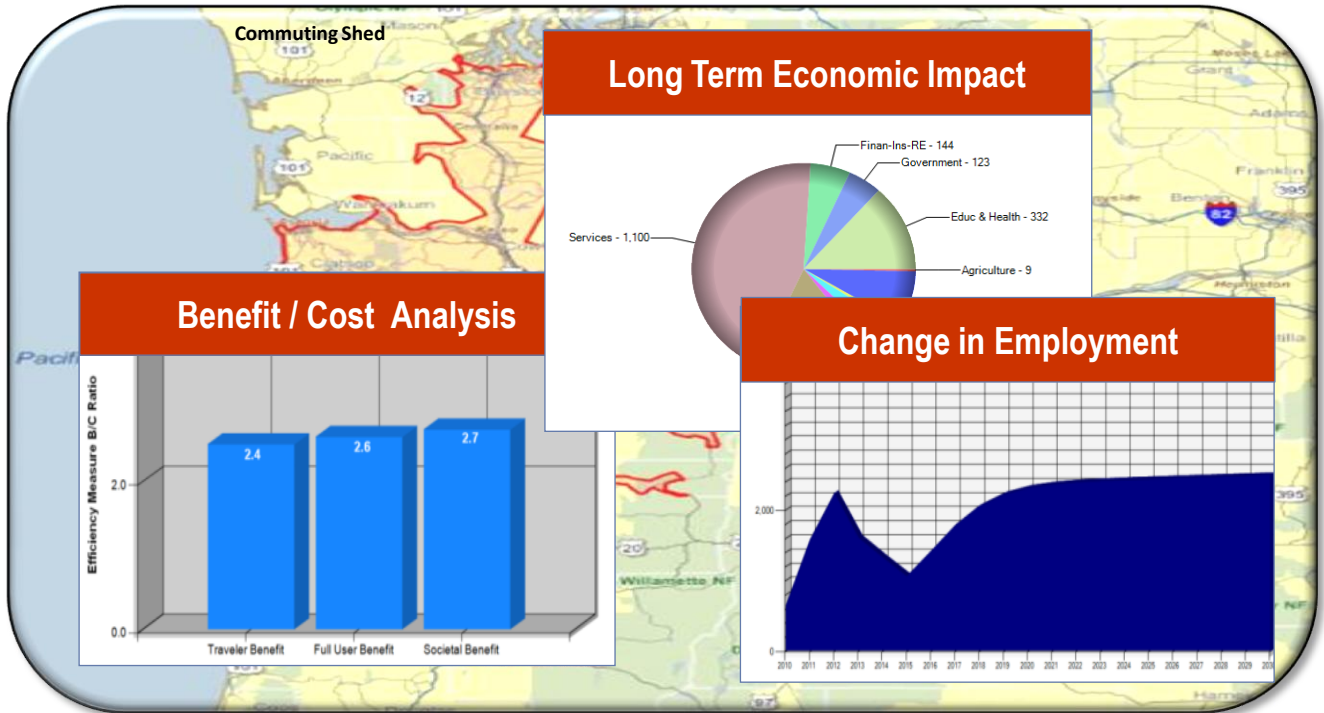


Economic impacts, benefits and costs of transportation projects



TREDIS - a flexible and modular framework for conducting economic impact and benefit/ cost analysis of transportation projects, programs, and policies. It covers the full range of key economic factors at local, regional and state levels.

TREDIS enables multi-modal analysis

Maine Multi-Modal Long-Range Plan



California High Speed Train



Appalachian Highways



Massachusetts Freight and Rail Plan





Comprehensive, flexible, and powerful analysis of economic impacts for assessing transportation projects

TREDIS Advantages

- ✓ Make realistic project tradeoffs considering all transportation modes
 - Road, rail, aviation and marine
- ✓ Modular – analyze the whole project, or quickly address portions
- ✓ Web-based access
 - Works with any internet-enabled computer or mobile device
 - Collaborate with colleagues at multiple sites in real time
- ✓ Scalable and multi-regional
 - Analyze local, regional, or state-wide impacts
- ✓ Transparent
 - See intermediate calculations to easily audit and validate results
- ✓ Sophisticated economic accounting
- ✓ Cost effective solution!

TREDIS® provides economic impact analysis and benefit-cost analysis for transportation projects and programs. It covers all modes, including all forms of passenger and freight transport using **road, rail, aviation and marine facilities**.

Who is TREDIS for?

- ➔ Transportation agency managers and planners
- ➔ Transportation planning consultants
- ➔ Public policy analysts and decision-makers

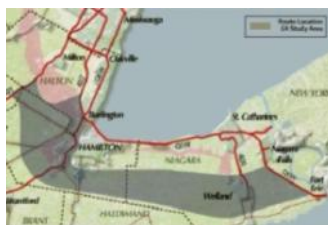
How can TREDIS be used?

- ➔ Estimate the economic impact of constructing and operating transportation facilities and services
- ➔ Examine alternative strategies for managing transportation corridors
- ➔ Perform multi-modal freight system evaluations
- ➔ Weigh benefits and costs of alternative public transportation investment strategies or policies
- ➔ Calculate impacts of congestion on households and industries, based on their usage of different modes
- ➔ Evaluate economic benefits of improving multi-modal access to consumer, producer, and labor markets.

Chicago Metropolis
2020 Freight Plan



Ontario MTO – Niagara
Gateway Corridor



Portland Business
Council and Metro



Oregon Statewide Highway
Investments





TREDIS addresses issues faced by transportation planners

TREDIS can assess

Transportation-Related Changes

- Performance: Speeds, Volumes, Congestion, Reliability, Safety
- Charges: Tolls, Fares, Fuel Prices & Taxes
- Operating Cost and Time Cost
- Network: Connectivity, Freight Flows
- Labor Market & Delivery Market Access
- Inter-modal Terminal and Gateway Access
- Environmental Factors, including emissions



TREDIS can calculate

Economic Impacts and Benefits (by industry, study area and year)

- Job Growth
- Personal Income Growth
- Business Output & GDP Growth
- Value of Productivity Change
- Value of Social Benefits
- Benefit-Cost Analysis
- Fiscal Impacts (tax revenue)

Advantages

TREDIS considers multiple study regions to assess the spatial distribution of impacts and benefits. Also considered are multiple time periods with the ability to distinguish daily or seasonal peak congestion from off-peak conditions. The number of study areas and time periods are designated at the *project* step, so the system enforces consistency in area and period data among all *scenarios* for that project.

TREDIS takes into account induced trips, shifting trips among modes, shifting among time periods and even shifting trips among origins and destinations. It checks for differences between *scenarios* in the number of trips by mode and purpose, and enforces consistency at the *comparison case* step by requiring users to designate the reason for all changes in those measures. This lets TREDIS account for the correct benefit value of any induced shifts.

Fort Worth
Mobility Study



Greater Vancouver
(BC) Gateway Council

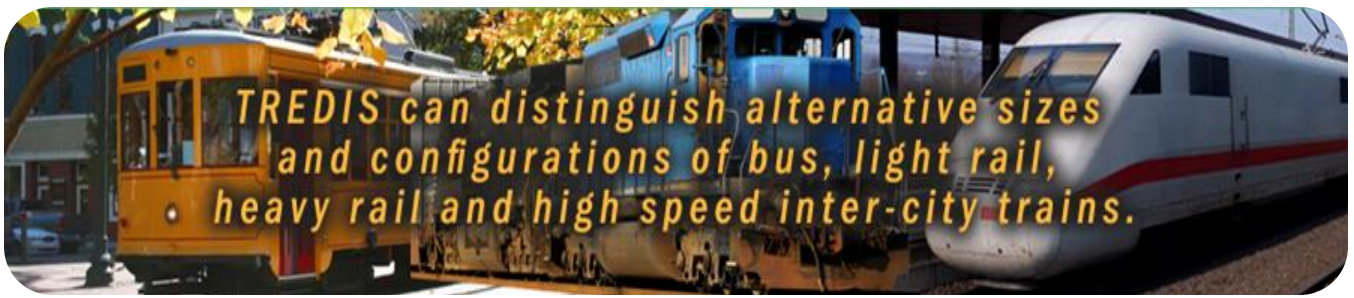


Wisconsin DOT Short
Line Railroad Study

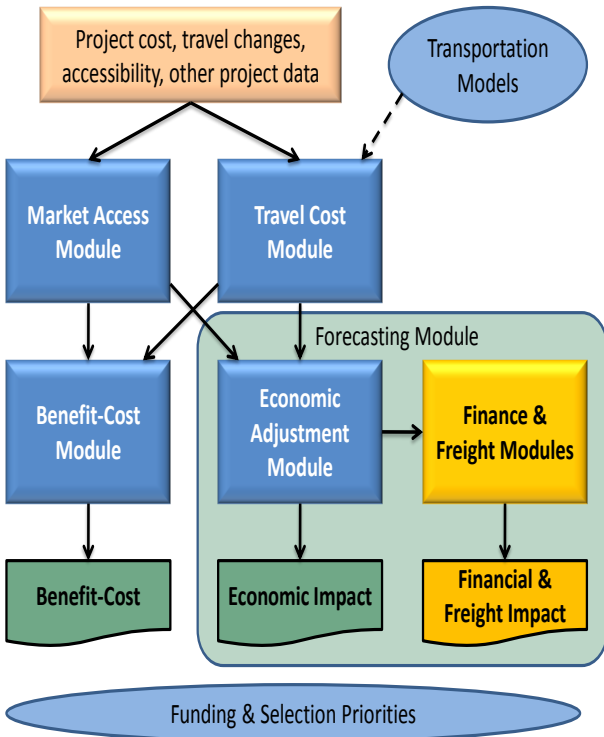


Alberta High Speed
Rail, Canada





TREDIS is comprised of four modules that work together to determine the full economic impact of transportation projects. Any single module or combination of modules may be used independently.



Travel Cost Module	Translates changes in traffic volumes, travel times, congestion, reliability and safety into direct cost savings that accrue to households and businesses.
Market Access Module	Translates changes in labor market and delivery market access, and inter-modal connectivity into effects on productivity and business attraction.
Economic Adjustment Module	Incorporates time-series forecasting and economic impact models to estimate total impact on growth of jobs, income and business output.
Benefit-Cost Module	Calculates net present value of project benefits and costs from differing perspectives of federal, state and local agencies.
Finance & Freight Modules	Optional modules that evaluate Public Private Partnership tax impacts and impacts due to changes in freight flows.

Toronto Metrolinx Rapid Transit



Kansas DOT Highway Programs



Northeast Can-Am Connections



Chicago METRA Commuter Rail



For more information or to schedule a demo contact
info@tredis.com 1.617.303.0424

