



USING TREDIS FOR RAISE GRANT APPLICATIONS

APRIL 27, 2021

Agenda

- 1. Overview of RAISE**
2. TREDIS Features
3. Updates
4. Demonstration
5. Questions and Discussion



Rebuilding American Infrastructure with Sustainability and Equity



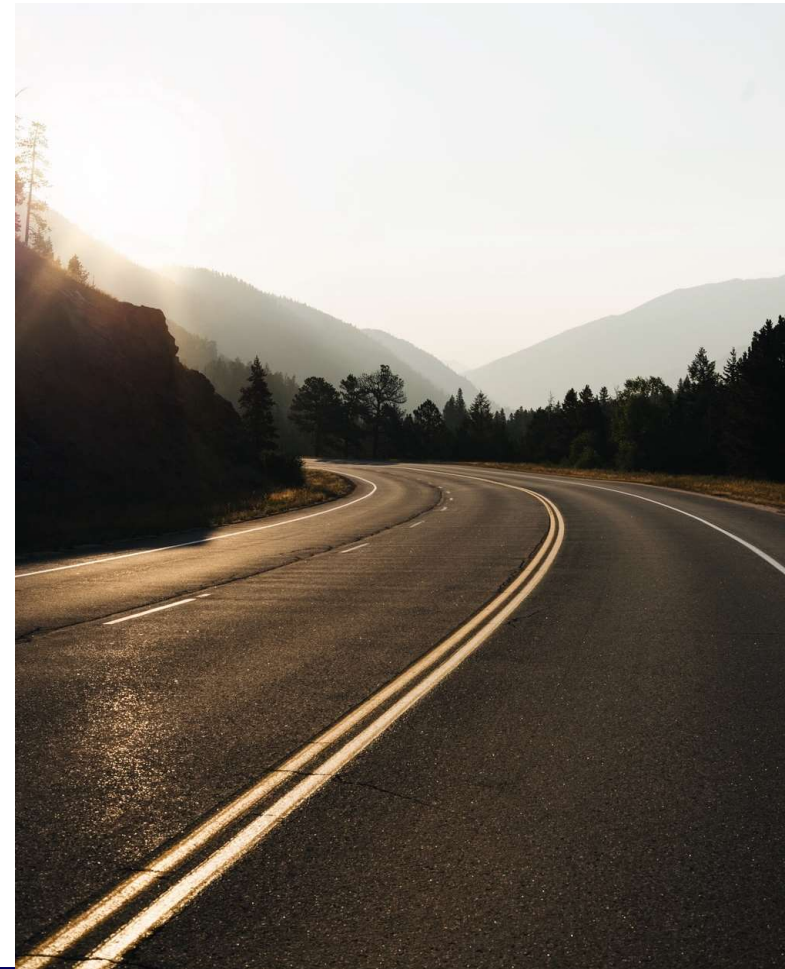
- **\$1B available** for infrastructure investments,
 - \$30 million for planning, and more than \$10 million for project planning in areas of persistent poverty
- **Selection Criteria:** Safety, environmental sustainability, economic competition, state of good repair, and equity.
- **Investment Prioritization:**
 - Partnerships and innovation,
 - Rural projects addressing deteriorating conditions and disproportionately high fatality rates (see DOT's ROUTES initiative)
- **Applications are due Monday, July 12, 2021.**

Funding Priorities

- The RAISE Grant emphasizes **equity**, from environmental to racial.
- **Investment Priorities:**
 - Projects should encourage efficiency, increase resiliency, decrease emissions, or recycle existing infrastructure.
 - Projects should also be targeted toward disadvantaged, underserved, or overburdened communities.
- **Equity Targets:**
 - Incorporating planning intended to reduce barriers to opportunity,
 - Investing in projects that address barriers to opportunity, such as automobile dependence.

Funding Priorities

- No more than \$500M of grant funds can be used exclusively in rural or urban areas,
- The minimum award for projects in rural areas is \$1M
- **There is no minimum award for projects in areas of persistent poverty**
 - Any county that has consistently had a poverty rate greater than or equal to 20% during the thirty-year period preceding December 27, 2020
 - Any Census Tract that had a poverty rate greater than or equal to 20% in the American Community Survey



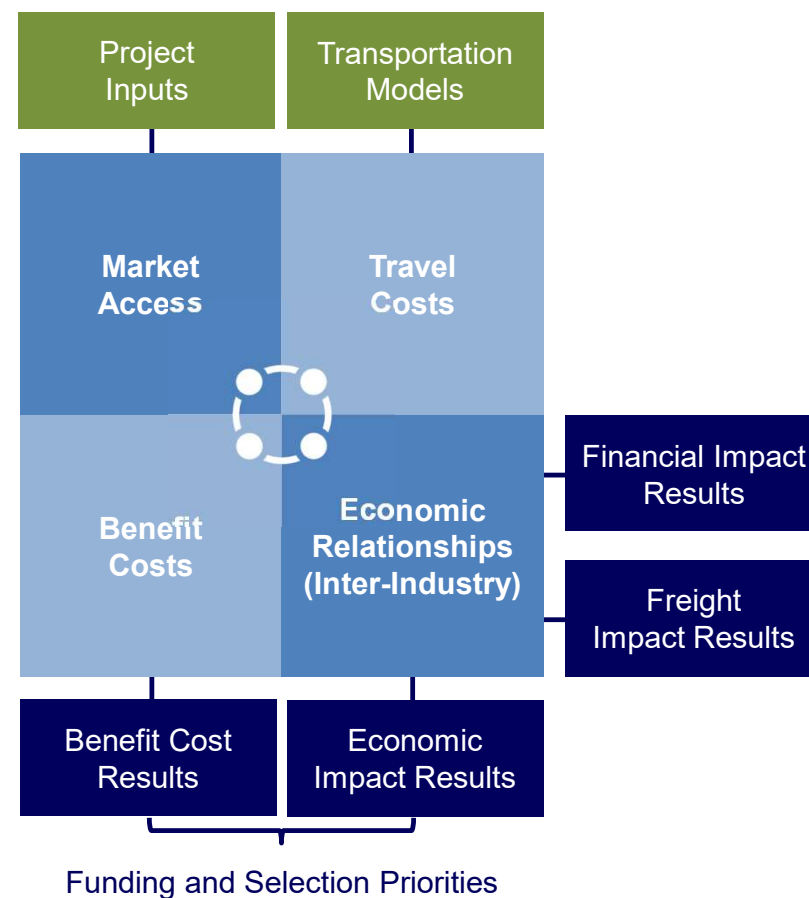
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Key Features

- Parameters preloaded,
- **Multimodal:** automobile, truck, rail, marine, air, pedestrian, and bicycle,
- Multi-regional and available at the sub-county level,
- Multi-year forecasts through 2050,
- Cloud-based, and
- Includes EIA and fiscal impacts.



Modeling Process

Users Select:

Modes, Timing, and Regions

Users Define or Supply:

Capital Costs and
Operations and Maintenance

Travel Demand Measures

Travel Costs and Parameters

Results Include:

Economic Impact by
Region and Year
Industries, Jobs, and
Occupations

Benefit Cost Analysis
Captures
User Benefits and Externalities

Analytics Include:

- Forecast Module by Moody's.
- Economic Impact Module by IMPLAN.

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Updates



- **Annual Update:**
 - Revised USDOT BCA Guidance,
 - Grant Reviewer Mode,
 - Latest Moody’s (Post-COVID) Forecasts,
 - Latest IMPLAN Economic Data.
- **New Applied Research:**
 - Emissions Factors from the EPA MOVES3,
 - Updated Freight and Logistics Data.

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**BENEFIT COST ANALYSIS
DEMONSTRATION**

Demonstration Summary

- **Summary:**
 - Demonstrated how to enable Grant Reviewer Mode
 - Description of inputs for TREDIS
- **Grant Reviewer Account:**
 - See “read only” version of submitted project
 - Copy and perform sensitivity analysis (mode and travel factors)
- **Grant Application Suggestions:**
 - Follow the latest NOFO
 - Make sure you let USDOT know that you provided access. Make one special clean copy and do not change after submission.
 - Submit all tables in grant report in the application as an appendix.
 - Contact TREDIS support team for questions.

Supplemental Equity Measures



United States[®]
Census
Bureau

Qualitative Identifiers:

- Opportunity Zones (Low-Income Census Tracts)
- Environmental Justice Areas
- Planning Studies and Locally-Identified Areas of Need

Quantitative Identifiers:

- Labor Market Statistics: Unemployment, median or average incomes
- Household Statistics: Measures of transportation access or travel times, shares of household income used for transportation, household income segments

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Thanks for attending!

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