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**Contact**

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# Implementation Assistance Application for Economic Analysis Tools (C03/C11)

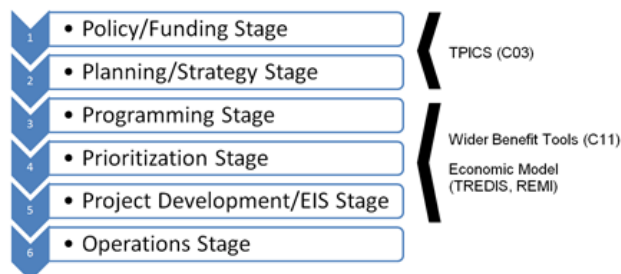
 [Read the Product Page](#)

## Background

The goal of the SHRP2 Capacity program is to develop approaches and tools for systematically integrating environmental, economic, and community requirements into the analysis, planning, and design of new highway capacity. The SHRP2 Economic Analysis Tools bundle (C03 and C11) is designed to help transportation professionals make more comprehensive and realistic assessments of the economic development impacts of transportation projects. The C03 and C11 tools help estimate which transportation improvements will support economic vitality by allowing decision makers to gauge the potential increases in jobs and output, and by providing estimates of the wider economic benefits from transportation improvements.

The foundational component of the Economic Analysis Tools bundle is a web-based early-stage planning tool that can be used to estimate the typical magnitude of economic impacts associated with various transportation investments (C03). A large database of informative case studies, including “before and after” analyses, serves as the primary source for assessing the potential impacts of investments according to their scale, location, and other contextual factors. The database also provides a tool that allows the estimation of the range of economic impacts from a project in a defined setting. The Economic Analysis Tools bundle includes detailed spreadsheet tools that can be used later in the planning process to examine and evaluate the specific changes in reliability, accessibility or connectivity associated with transportation investments and their resulting economic impacts (C11). The spreadsheet based methods are applied when more detail about the proposed transportation investments is available.

The following graphic shows approximately where in the planning and project development processes that SHRP2 expects the tools will be useful:



Ref. SHRP2 Collaborative Decision-Making Framework

The final C03 report, practitioner guide, case study database and web based screening tool (Transportation Project Impact Case Studies (T-PICS)) is available at: <http://tpics.us/>. The C11 report (*Development of Tools for Assessing Wider Economic Benefits of Transportation*) and supporting spreadsheet tools are available via the T-PICS website: <http://www.tpics.us/tools/>.

## Leadership Endorsement

Each application submitted from an organization or agency must have the endorsement of the Chief Executive Officer or designee. The letter of endorsement is submitted **as an attachment to the application**. Guidance for creating an endorsement letter appears in the application below.

## Priority Ranking

When multiple applications are submitted from an organization or agency, each application must have a designated priority ranking. Please rank all applications in one grouping including all product submissions from your agency. For purposes of ranking do not separate your organization's applications into categories for individual products, or levels of incentives such as Lead Adopter or User Incentive.

For example, if your agency submits four applications; two applications for R06C, one for C03/C11, and one for R10, your agency must rank each application in priority order from 1 to 4, with 1 as the highest priority and 4 as the lowest priority. For your convenience, you will find a box later in this application to designate the priority ranking. FHWA and AASHTO will take into consideration the agency's rankings when reviewing and evaluating the applications for implementation assistance. Your priority ranking should be expressed as "X of Y," as in "1 of 4."

## Available Implementation Assistance

### T-PICS (C03)

Type of Assistance: User Incentives designed to use the T-PICS database tools for a specific application in early transportation planning (e.g., project screening) and then to document that experience.

- Objectives:
- Demonstrate value and utility of the web-based screening tool for better understanding of likely economic impacts of different types of transportation investments in the early stages of transportation planning and project development.
  - Evaluate the effectiveness of the screening tool for a range of different types of transportation projects (multiple modes; geographic regions (urban, rural)).
  - Demonstrate the usefulness of the C03 tool for building consensus and engaging stakeholders.
  - Document the tool's ease of use and the understandability of outputs.
  - Document how results were used to inform the agency's decision-making process.
  - Identify additional diverse case studies that can be integrated into the existing C03 database, including a documentation of lessons learned.
  - Recommendations for needed future refinements to the tools, as well as documentation of lessons learned for practitioners using the tools in the future.

Number of Awards: Up to 12

Funding Level: Up to \$25,000 each, with period of performance of 12-18 months

### Economic Analysis Tools (C11)

Type of Assistance: Lead Adopter Incentives to demonstrate the application of the C11 spreadsheet tools to examine their utility in the middle to later planning and project development stages.

- Objectives:
- Demonstrate effectiveness of spreadsheet tools for describing economic impacts related to reliability, connectivity and accessibility improvements that may result from transportation system investments.
  - Demonstrate utility and value of these spreadsheet tools to evaluate a range of transportation projects (multiple modes) in varied geographic settings (urban, rural).
  - Document how outputs correspond with results of other existing analytical tools/economic models, including more advanced analysis methods.
  - Document how results were used to inform the agency's decision-making process; document any changes (proposed or implemented) to planning processes resulting from use of the tools.
  - Document how use of the tools could extend to the project development stage (i.e., how the tools might inform setting project purpose and need).
  - Documentation of lessons learned in the use of the tool for future practitioners.

Number of Awards: Up to 6

Funding Level: Up to \$125,000 each, with period of performance of 12-24 months

## Who can apply

State departments of transportation (DOTs), metropolitan planning organizations (MPOs), Federal Land Management Agencies, and tribal governments (recognized tribes identified on the list of “Indian Entities Recognized and Eligible to Receive Services from the Bureau of Indian Affairs” [published at 77 FR 47868]).

## Requirements

1. Clear description of the anticipated need and benefit for utilizing economic analysis tools within transportation planning and project development.
2. Specific application of these SHRP2 economic analysis tools to a specific stage or issue within transportation planning and project development.
3. Commitment of State DOT, MPO, and/or tribal leadership to apply, adopt and document use of these tools.
4. Participation in product evaluation activities including a qualitative, organizational, and/or before/after assessment conducted by an independent consultant for FHWA.
5. Willingness to share knowledge with other organizations interested in implementing economic analysis tools with the transportation planning and project development process.

## Application Form

Follow these steps to apply for implementation assistance:

1. Review all background information
2. Download the form you wish to submit with this application:
  - [T-PICS \(C03\)](#)
  - [Economic Analysis Tools \(C11\)](#)
3. Please submit separate applications if applying for assistance for multiple products within this bundle.
4. Iterate, revise, and secure approvals before uploading the final application and [Leadership Endorsement Letter](#) to this site.
5. Once you have completed the form and secured the required Leadership Endorsement Letter, return to this page and complete the contact information fields below
6. Upload the completed application form and Leadership Endorsement Letter
7. Click submit; you will receive an email confirmation that includes the uploaded endorsement letter and application form, be sure to only hit the submit button one time

# SHRP2 Implementation Assistance Program

## Round 4 Application Form - *Application period closes June 27, 2014.*

### Economic Analysis Tools (C03/C11) C03 User Incentive Application

**FHWA Product Lead Name:** Stefan Natzke, [Stefan.Natzke@dot.gov](mailto:Stefan.Natzke@dot.gov), 202-366-5010

This SHRP2 Solution is part of Round 4 of the Implementation Assistance Program. For more information about this product or about applying for implementation assistance, visit the Implementation Assistance Program page (<http://www.fhwa.dot.gov/GoSHRP2/ImplementationAssistance>) or this product's application page (where this form originated) on the GoSHRP2 website.

#### **Point of Contact:**

The SHRP2 Implementation Assistance Program is designed to foster peer learning, and as a result, applicants are encouraged to share their experience implementing SHRP2 products with others. By submitting this application, your organization grants permission to FHWA to publish and distribute the name and business email address of a **staff member from the applying organization** who is familiar with the project. Please provide:

POC Name: Provide your response here.

POC Business Email Address: Provide your response here.

#### **Questions:**

1. Describe your organization's interest and goals for adopting economic analysis tools within transportation planning and project development?

Provide your response here.

2. Briefly describe your agency's current use of economic analysis in transportation planning and project development (note: this information will only be used for benchmarking and does not automatically exclude your application or give it greater priority).

Provide your response here.

3. Briefly describe your agency's past efforts to apply economic analysis within transportation planning and project development (e.g., at what stages and using what tools).

Provide your response here.

4. Describe the specific planning/project development problem you are trying to address with the application of these economic analysis tools. At which stage(s) do you intend to utilize the tools? What do you hope to gain?

Provide your response here.

5. Describe how you will use the web-based screening tools for a specific application in early transportation planning.

Provide your response here.

6. Briefly describe your work plan (tasks, deliverables and approximate dates; no more than 1 page total) for your use of the implementation assistance.

Provide your response here.

7. To what extent, if any, will methods from other SHRP2 products (e.g., L02/L05/L07/L08/C11 bundle) be integrated into this work plan?

Provide your response here.

8. Describe who your agency will partner with during implementation of this product. What partnerships, if any, are planned with other agencies, and what expertise will they bring?

Provide your response here.

9. What is your expected level of agency staff, consultant and university involvement? What cost / labor match, if any, is being provided?

Provide your response here.

10. How do you plan to use the information that will result from use of these economic analysis tools? Specifically, how will they be used to inform the agency's decision-making process?

Provide your response here.

11. Describe challenges / risks you expect to encounter in implementation, and how you plan to address them.

Provide your response here.

As a reminder:

1. Review all background information located on this product's application page.

2. Once you have completed this form and secured the required Leadership Endorsement Letter, return to application page and complete the contact information fields.
3. Upload this form and the Leadership Endorsement Letter to the page. **Be sure you are attaching the form to the correct application page.**
4. Click "Submit;" you will receive an email confirmation that includes the uploaded endorsement letter and application form.
5. Application period will close June 27, 2014.

For more information or to find this product's application page, visit the Implementation Assistance Program page (<http://www.fhwa.dot.gov/GoSHRP2/ImplementationAssistance>) on the GoSHRP2 website.

# SHRP2 Implementation Assistance Program

Round 4 Application Form - *Application period closes June 27, 2014.*

## Economic Analysis Tools (C03/C11)

### C11 Lead Adopter Incentive Application

**FHWA Product Lead Name:** Stefan Natzke, [Stefan.Natzke@dot.gov](mailto:Stefan.Natzke@dot.gov), 202-366-5010

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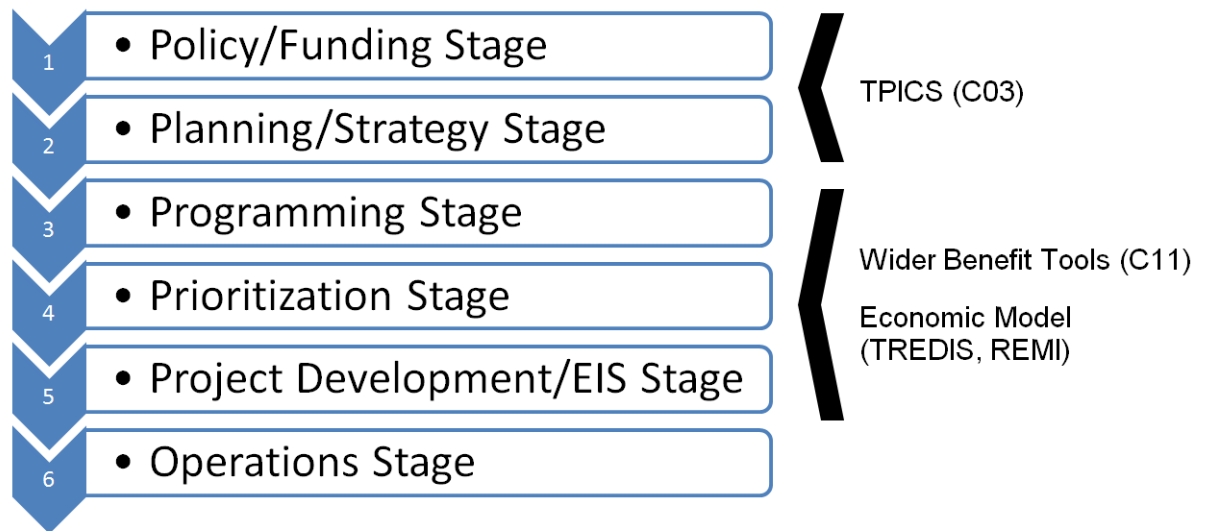
3. Briefly describe your agency's past efforts to apply economic analysis within transportation planning and project development (e.g., at what stages and using what tools).

Provide your response here.

4. Describe the specific planning/project development problem you are trying to address with the application of these economic analysis tools. At which stage(s) do you intend to utilize the tools? What do you hope to gain?

Provide your response here.

5. Identify which stage of the planning process depicted in the graphic below you intend to use the C11 spreadsheet tools. Explain how better understanding the reliability, connectivity, and accessibility impacts of different types of transportation investments will be useful at that stage.



*Ref: SHRP2 Collaborative Decision-Making Framework*

Provide your response here.

6. Briefly describe your work plan (tasks, deliverables and approximate dates; no more than 1 page total) for your use of the implementation assistance.

Provide your response here.

7. To what extent, if any, will methods from other SHRP2 products (e.g., L02/L05/L07/L08/C11 bundle) be integrated into this work plan?

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