

Pre-Bidders' Web Conference for SHRP 2 Reliability Project RFP for L 34 Project: E-Tool for Business Processes To Improve Travel Time Reliability

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Outline



1. SHRP 2 Program Overview
2. Projects Background
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4. L34 Proposal Review Criteria
5. Proposal Requirements
6. Questions and Answers

SHRP2 Reliability L34 RFP



On March 19, 2012, the second Strategic Highway Research Program(SHRP 2) released requests for proposal (RFP): **SHRP 2 L34 “E-Tool for Business Processes to Improve Travel Time Reliability”**

About This Pre-Bid Webinar



- This web conference will provide information about the RFPs to prospective bidders.
- We will answer questions about the L34 project RFP.

Webinar Learning Objectives



- After participating in this session, the audience members will be more knowledgeable about the background scope and objectives of L34 project and be able to decide whether they want to prepare a proposal in response to the RFPs, and be able to prepare better proposals.
- Allow participants to ask questions about the RFPs and have them answered

SHRP 2 Reliability Focus Area Overview

TRB Special Report 296




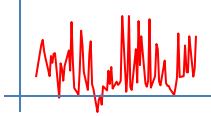





“To provide reliable travel times by preventing and reducing non-recurring congestion”

i.e., reduce the variability of travel time through reducing the underlying causes

Reliability Research focuses on The Seven Causes of Congestion



1	Incidents	
2	Weather	
3	Work Zones	
4	Fluctuation in Demand	
5	Special Events	
6	Traffic Control Devices	
7	Inadequate Base Capacity	

Organizing Transportation Agencies to Improve Reliability (group 1)



Project	Definition
L01 / L34	Integrating Business Processes to Improve Reliability Guide to transportation agency business processes which will improve reliability (development of E-tool included)
L06	Institutional Architectures to Advance Operational Strategies Guide to structuring organizations to improve traffic operations
L12 / L32ABC	Training and Certification of traffic Incident Responders Training and certification programs for traffic incident responders to improve safe and quick clearance (including development of E-tools and training assessment)
L17 / L31	A Framework for improving Travel Time Reliability An overall reliability program framework with specific best practices and outreach materials that make the case for highway agencies focusing on improved travel time reliability (including development of executive outreach material).

Reliability in Planning, Programming, and Geometric Design (group 2)



Project	Definition
L05	Incorporating Reliability Performance Measures into the Transportation Planning & Programming Processes Ensure consideration of reliability in planning & programming activities
L07	Costs and Effectiveness of Highway Design Features Identify and evaluate costs and effectiveness of design features
L08	Incorporating Non-Recurrent Congestion Factors in HCM Develop technical relationships to enable inclusion in HCM

Data and Analysis for Travel Time Reliability Performance (group 3)



Project	Definition
L02	Travel Time Reliability & Mobility Monitoring Programs Prepare guidebook and validate reliability monitoring methods
L03	Analytical Procedures- Effects of Mitigation Methods Define technical relationships between improvements and performance
L04	Incorporating Reliability Estimation into Planning and Operations Tools Develop models to assess reliability in planning and improve operations
L10	Reducing Inappropriate Driving Behavior Examine driver reactions to factors that cause non-recurrent congestion
L14	Effectively Disseminating Travel Time Reliability Information Assess how changes in accessibility, format, and utility of traveler information affects Reliability

Preparing for the Future (group 4)



Project	Definition
L11	Evaluating Alternative Operations Strategies Define user requirements, performance standards, and present and future reliability concepts of operations
L13 L13A	Design & Implement a System for Archiving and Disseminating Reliability Data Makes all forms of reliability project data available over the internet
L15	Reliability Innovations Deserving Exploratory Analysis (IDEA) Develop a portfolio of proofs of concepts for innovative ideas that could lead to one or two major breakthroughs

L01 Project Background



- Reliability Project L01, Integrating Business Processes to Improve Travel Time Reliability, delivered two reports:
 - *Integrating Business Processes to Improve Travel Time Reliability* (SHRP 2 Report S2-L01-RR-1)
<http://www.trb.org/Publications/Blurbs/165283.aspx>
 - *Guide to Integrating Business Processes to Improve Travel Time Reliability* (SHRP 2 Report S2-L01-RR-2)
<http://www.trb.org/Publications/Blurbs/165284.aspx>

L34 Projects Intent



- Develop an interactive e-tool that *transportation agencies can use:*

“to evaluate their current business processes and to identify and remove barriers to implementing and sustaining improved processes to advance operations to enhance travel time reliability”

- The e-tool is primarily an electronic version of the business processes and guidance material developed in project L01 and is hereafter referred to as “L34 e-Tool for Business Processes to Improve Travel Time Reliability.”



L34 Project Expectations

The e-tool will be developed based on:

- The report, *Guide to Integrating Business Processes to Improve Travel Time Reliability*, will be translated into an interactive, prototype e-tool, henceforth referred to as the e-tool.
- The contractor shall draw upon additional literature as appropriate to develop the e-tool.
- Reports produced by the contractor will identify and elaborate the current best practices and explore if additional improvements are needed.



L34 Project Expectations

What the e-tool will enable the users to ...

- Identify business processes that improve highway systems operations.
- Use the e-tool outputs the communication tools to advance collaboration and process change.
- Demonstrate how to eliminate institutional barriers.
- To quantify the impact of the optimal operational processes on some performance measure of reliability.



L34 Project Expectations

- The contractor will use lessons learned from selected case studies in the L01 Final Report to demonstrate the e-tool.
- The demonstration of the e-tool application shall focus on two of the seven sources of nonrecurring congestion.
- The contractor will propose to the TETG a process for selecting two of the seven sources of nonrecurring congestion (that are listed earlier)

L34 Proposal Evaluation Criteria



- Level of understanding of the L01 Project reports
- Level of demonstrated collaboration Coordination with L34 TETG, FHWA, and AASHTO
- Understanding of e-tool development as related to the subject matter expertise and L01 and L34 project functional requirements
- Innovation, e-tool sustainability, and user friendly environment

L34 Proposal Evaluation Criteria (2)



- The quality of the e-tool acceptance test plan. In other words, how will the test demonstrate if the e-tools functions successfully?
- What percentage of the proposed work is devoted to literature review, functional requirements development and what percentage to building the e-tool and usability testing?
- Proposed budget compared with the value to be provided to SHRP 2.
- The breadth of the proposed scope, quality of the statement of proposed work, and the likely ability to complete the work in the time allocated.

Elements of a Good Proposal



- Obvious familiarity with web tool(s) being developed and implemented
- Team expertise and skills fit the proposed work plan
- Well-defined team organization and reasonable allocation of budget to team members

Elements of a Good Proposal



- Clear work plan that responds to the RFP
 - Practical: can be accomplished; focused
 - Creative: doesn't simply parrot back the RFP
- Realistic time-line
- Reasonable budget with some detail
 - Budget is allocated in a manner that will generate results
- Meets specified proposal selection criteria

Good Luck to Bidders!



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Question and Answer Session



- Please ask any questions you would like answered via the chat box function in the webinar software.
- It will be helpful if you can indicate whether the question pertains to the L34 RFP or L01 Core research project

Links to L01 Publications



- Report:

<http://www.trb.org/Publications/Blurbs/165283.aspx>

- Guidebook:

<http://www.trb.org/Publications/Blurbs/165284.aspx>