

Engineering Economic Analysis Practices for Highway Investment

NCHRP Synthesis Topic 41-03

presented to the

**TRB Asset Management Committee,
ABC40**

by

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Overview

- How are U.S. DOTs applying economic analyses in highway investment decisions?
- Focus on “torch bearer” agencies – leading-edge methods and applications – rather than nationwide summary of practice
- Focus on leading State DOTs within broader context:
 - Screening surveys → telephone interviews, case studies
 - Review of international literature
 - Examples from other types of agencies
- SOW: Input from Panel, TRB Transportation Economics and Asset Management Committees → identify interesting examples

Looking for Case Study Candidates...

- Innovative methods and applications → DECISIONS
- Uses at network, corridor, program, and project levels
- Uses in planning, programming, project development
- “Interesting” uses of “embedded” (e.g., PMS, BMS) analyses → ECONOMIC INFORMATION IN DECISIONS
- Uses of economic measures: B/C, ROI, NPV, others
- Case studies of recent use of engr. economic analysis

Have a Suggestion? Can We Talk?

- Email (conference participant list has correct address)

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