

Document Summary

SHRP 2 L11: Evaluating Alternative Operations Strategies to Improve Travel Time Reliability

Kittelson & Associates, Inc.

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Summary of the Work

The goal of the SHRP 2 L11 project is to identify and evaluate strategies and tactics to satisfy travel time reliability requirements of users of the roadway network. The objectives are to:

- Discuss different needs of various roadway network users
- Address agencies' performance measures and targets
- Evaluate trends and key drivers that will shape the future
- Prepare three alternative future scenarios
- Discuss how existing and new technologies should be applied to these scenarios
- Provide a high level concept of operation to agencies with actionable steps towards the future.

The SHRP 2 L11 report can be divided into two portions. Chapters 1 to 3 contain an introductory discussion of travel time reliability issues, roadway user needs, and goals and performance targets that need to be undertaken by agencies to improve reliability. Chapters 4 to 7 contain an analysis of trends, future outcomes, strategies and technological innovations that will impact travel time reliability. In addition, a roadmap discussing funding, institutional challenges, and technological innovations is provided.

Applied to Practice

The roadmap presented at the end of the report provides direction that can help agencies implement institutional changes and operational improvements that address the need to improve reliability now and in the future. In addition, the effectiveness of various strategies and treatments as to their impact on improving operations is presented.

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