

NCHRP 07-17 [Active]

Pedestrian and Bicycle Transportation along Existing Roads

Project Data	
Funds:	\$500,000
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Research Agency:	Toole Design inc.
Principal Investigator:	Peter Lagerwey
Effective Date:	3/18/2011
Completion Date:	2/1/2014

The objectives of this research are to:

1. Develop a methodology for transportation agencies to evaluate and prioritize the need to provide or improve conditions for pedestrians and bicyclists on existing roadways. The methodology should address pedestrian and bicycle facilities separately and should include the planning, funding, construction, and maintenance of pedestrian and bicycle facilities (including winter maintenance).

It is envisioned that the methodology will enable the user to do the following:

- Identify and analyze institutional approaches, implementation strategies, and funding mechanisms for improving physical conditions for pedestrians and bicyclists along roadways; and strategies to overcome barriers. The analysis should be based on current best practices in federal, state, and local transportation agencies in the United States.
- Evaluate and measure the problems and risks associated with inadequate pedestrian and bicycle facilities, and benefits that could accrue through providing them. It is expected that these measures may include safety, accessibility, connectivity, system efficiency, congestion reduction, livability and quality of life, health benefits, and economic development.
- Develop methods to inventory pedestrian and bicycle conditions and needs on the roadway network.
- Develop criteria to identify and prioritize needs and locations where the provision or improvement of pedestrian and bicycle facilities would yield the most benefits.
- Identify data gaps and research needs where further research could improve the methodology.

2. Conduct a validation of the methodology in at least one community. 3. Produce materials to convey the results of the research to various target audiences. These materials should include the following:

- A color brochure (2 to 4 pages) aimed at senior decisionmakers that outlines the nature and magnitude of current issues and problems, explains the methodology developed in the research, and facilitates implementation of the results. It should include an overall assessment of condition and need on the U.S. road network.

- The framework and content for an educational module that would be appropriate for a training course on the project results aimed at transportation practitioners.

- Media (e.g., brochure, video) to convey the project results to the general public.

STATUS: The first interim report has been received and work is underway to develop a prioritization methodology.

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