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## RESEARCH SNAPSHOT

# ESTIMATING PEDESTRIAN ACCIDENT EXPOSURE:

## APPROACHES TO A STATEWIDE PEDESTRIAN EXPOSURE DATABASE

In this report, the authors describe a strategy for developing a statewide pedestrian volume database. Such a database would allow safety professionals at state and local levels to estimate pedestrian exposure to risk at specific sites.

If well designed, it could provide additional information as well, such as facility usage, which would enable municipalities to pinpoint new infrastructure needs or determine whether new infrastructure encourages more pedestrian activity. Information on facility characteristics, such as the availability of sidewalks and intersection crossings, could be used to improve pedestrian demand modeling techniques. If facility-funding data were to be included the database could be used to track spending on pedestrian projects.

Creation of such a statewide database involves several major decisions. This report examines those and provides a range of approaches depending on different funding and institutional constraints.

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