

| UTC Project Information | |
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| Project Title | Implementation of Accessibility-Based Evaluation of Transportation and Land-Use Planning |
| University | University of Michigan |
| Principal Investigator | Dr. Jonathan Levine |
| PI Contact Information | Professor of Urban Planning Email: jnthnlvn@umich.edu |
| Funding Source(s) and Amounts Provided (by each agency or organization) | \$150,000: NEXTRANS Center/USDOT Rockefeller Foundation: "Catalyzing the New Mobility in Cities," Alcoa Foundation: "New Mobility Solutions in the Detroit and Beijing Regions," and Ford Motor Corporation, "Ford Megacity Mobility." \$150,000 |
| Total Project Cost | \$300,000 |
| Agency ID or Contract Number | DTRT12-G-UTC05 |
| Start and End Dates | 1/1/2015 |
| Brief Description of Research Project | <p>Accessibility measurement has been integral to transportation and land-use scholarship since the 1950s, and since the 1970s researchers have argued that it forms the theoretically correct basis for transportation and land-use evaluation. Accessibility-measurement metrics are well-defined and can be based on data readily available to transportation planners. Yet accessibility-based evaluation has largely failed to make the leap from laboratory to practice, and has nowhere displaced traditional mobility-based evaluation. The proposed project seeks to understand barriers to the greater use of accessibility evaluation in practice; to develop qualitative, quantitative, and graphical approaches to overcoming those barriers; and to work cooperatively with practitioners on assessment of accessibility-based evaluation.</p> <p>The project will be informed by lessons derived from a previous multi-year project at the University of Michigan that measured regional accessibility among the top 50 metropolitan regions of the United States, and will proceed in four interrelated stages: (i) Research political and technical barriers to the adoption of</p> |

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| | <p>accessibility-based evaluation, (ii) Develop case studies of accessibility- and mobility-based evaluation, (iii) Develop approaches to incorporating accessibility-based evaluation, and (iv) Collaborate with practitioners and decision-makers on assessment of accessibility-based evaluation.</p> |
| <p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p> | |
| <p>Impacts/Benefits of Implementation (actual, not anticipated)</p> | |

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| Web Links <ul style="list-style-type: none">• Reports• Project website | |