

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Designing Cross-Subsidy Mechanisms for Sustainable Multi-Modal Transportation Systems
University	Cornell University
Principal Investigator	Linda Nozick
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$0 Cornell: \$162,095
Total Project Cost	\$162,095
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 11/30/2016 End date: 05/31/2018
Brief Description of Research Project	<p>This project focuses on the development of modeling tools to support the design of cross-subsidy mechanisms in multi-modal passenger transportation networks by integrating road congestion pricing and multi-modal transportation services design. The modeling tools will explicitly include the environmental impacts (including downstream health impacts) as well as economic and equity impacts in defining how these cross-subsidy mechanisms are designed. Despite large investments in passenger transportation infrastructure, congestion has increased at an alarming pace and at substantial societal costs. Congestion was estimated to cost \$124 billion in 2013 and to rise to about \$186 billion by 2030. Empirical evidence demonstrates that public transit is effective in alleviating congestion as well as the environmental impacts that result from congestion. What's more, public transportation is the mode that provides access to jobs, goods and services that are critical to economic mobility for those on the lower rungs of the economic ladder.</p> <p>These modeling tools will explicitly include the integration of newer ride hailing services as well as on-demand ride sharing services. These services have the potential to displace traditional taxi services as well as transitional transit services. Given the importance of transit services for economic mobility, it is</p>

	imperative that these newer services do not jeopardize economical access to transportation services.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	N/A
Impacts/Benefits of Implementation (actual, not anticipated)	N/A
Web Links • Reports • Project website	http://ctech.cee.cornell.edu/final-project-reports/