Project Information Form

Project Title	Information Services in Social Networked Transportation
University	Georgia Institute of Technology
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Funding Source(s) and Amounts Provided (by each agency or organization)	GDOT = $146,553 USDOT UTC = $62,856
Total Project Cost	$209,409
Agency ID or Contract Number	RC500 (2006T07), RC500 (51266BC) and RC614 (51366BB)
Start and End Dates	5/1/12 - 6/30/14
Brief Description of Research Project	Traditionally, transportation is understood as the physical displacement of people, goods, and vehicles. Information technology is often used to model the system or to optimize the system. Here, however, we see information as the essence of the system. In the social networked paradigm we reconceptualize transportation as an *information ecosystem* in an *institutional landscape*. This project will analyze information flows and institutions in surface transportation in order to promote new information services. It attempts to illuminate the evolving role of state DOTs as transportation becomes more information intensive. Objectives / Tasks: Task 1: Theory: Develop a Class on Social Networked Transportation Task 2: Distill Lessons from the IT and Energy Sectors Task 3: Survey and Analysis of Transportation Systems Task 4: Toward Action: Trends, Visions and Strategies for Transportation
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	Task 1: This task includes developing a conceptual framework for understanding social networked transportation and substantial literature review. The conceptual framework was finalized and presented to a professional audience at the ITS World Congress (October 2012) at the session "Social networking and ITS: Roadmap to a revolution?" by Hans Klein, http://files.2012.itsworldcongress.com.s3.amazonaws.com/pdf/141012-VIENNA-FINAL-PROGR-BD.pdf. Based on feedback it was refined and further developed as a course taught in Fall semester 2013 called "The Internet and ITS".

	Task 2: A paper on the Internet and the Green Button Initiative in the energy sector to distill lessons for institutional design for standards and strategies for interconnection, as well as application development is being refined for submission.
	Task 3: A paper about the TMC use of third-party probe data entitled "Traffic Management and Sociotechnical Innovation: Using Probe Data from External Suppliers" was submitted to the Journal of Intelligent Transportation Systems.
	A paper "Open Transit Data: State of the Practice and Experience from Participating Agencies in the United States" was presented at TRB in January 2013. See http://trid.trb.org/view.aspx?id=1240398
	A crowd-sourced transit ambassador program was developed to overcome data errors for the OneBusAway project in Seattle. This effort is described in Aaron Gooze's thesis, "Real-time transit information accuracy: impacts and proposed solutions", https://smartech.gatech.edu/handle/1853/47638
	Research conducted to compare the standards development processes of USDOT's TCIP, Google's GTFS and the SIRI standard resulted in the thesis of Landon Reed, entitled "Real-time transit passenger information: a case study in standards development", https://smartech.gatech.edu/handle/1853/50218
	Researchers presented at multiple sessions at the ITS World Congress in October, including "The Internet Paradigm and ITS", moderated by Kari Watkins, with presentations on "Managing traffic using third-party data: Are TMC's ready?" by James Wong and "Real-time transit passenger information: A case study in standards development" by Landon Reed. Dr. Watkins also presented in the session "What are the Effects of Open Data on Public Transportation", http://www.itsworldcongress.jp/common/pdf/preliminary/preliminary_program.pdf
	Task 4: Transportation Camp unconference and a civic hack-a-thon were held in February 2013 and then again in April 2014. More details are at http://transportationcamp.org/south/
Impacts/Benefits of Implementation (actual, not anticipated)	None yet.

Web Links	Project is described here: http://watkins.ce.gatech.edu/node/11.
• Reports • Project website	See links above as well.