



Project Information Form #4 (January 2016)

Project Title	Managing Transportation System Health
University	Georgia Institute of Technology
Principal Investigator	Adjo Amekudzi-Kennedy
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Funding Source(s) and Amounts Provided (by each agency or organization)	NCTSPM - \$60,000 GDOT - \$160,000
Total Project Cost	\$220,000
Agency ID or Contract Number	DTRT12GUTC12 NCTSPM 2013-004 RP 14-34
Start and End Dates	11/1/13 – 05/31/15
Brief Description of Research Project	This project will develop a focused body of knowledge and tools, including a data-and-expert-knowledge-driven approach for addressing a multi-scalar issue involved in performance-based planning at multiple levels of decision making: namely, how to achieve broader national and statewide objectives while taking into consideration regional and local priorities and constraints. The project will apply a multi-methodology analysis to evaluate transportation system health metrics for selected jurisdictions and regions in the state of Georgia and selected states to tell a more comprehensive story about the cumulative impacts of investments at the statewide, metropolitan and local jurisdiction levels, as a basis for determining targets using both quantitative data and expert knowledge in a manner that considers local and metropolitan priorities while aiming to achieve statewide and national priorities.
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	Nothing to report at this time.
Impacts/Benefits of Implementation (actual, not anticipated)	<ul style="list-style-type: none"> • Research paper accepted for presentation at the 2015 Transportation Research Board Annual Meeting. Reference: Transportation System Health Analysis: A Corridor-Level Study of Georgia’s State Routes



	<ul style="list-style-type: none"> • Poster Presentation at GDOT Poster Session, September 23, 2014. Reference: A Conceptual Framework for Transportation Systems Health • Poster Presentation at 2016 Annual Transportation Research Board Meeting Reference: Transportation System Health: Meeting Deficiency Needs and Growth Aspirations Systemically – Concepts, Applications and Significance. • Paper accepted for publication in the Transportation Research Record (2016). Reference: Transportation System Health: Meeting Deficiency Needs and Growth Aspirations Systemically – Concepts, Applications and Significance.
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project website 	<p>Report information available at www.irg.ce.gatech.edu</p>
<p>Names of students who are financially supported by this grant</p>	<p>Richard Boadi Stephanie Amoaning-Yankson Jamie Fischer Margaret Akofio-Sowah Stefanie Brodie Janille Smith-Colin Tom Wall</p> <p>Note: This is the full list of students who were supported on the project over its entire duration.</p>
<p>Names of students who are participating (but not financially supported) by this project</p>	<p>--</p>