



Project Information Form #2 (Summer 2013)

Project Title	Evidence-Based Design Applications in Transportation Asset Management
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 - \$37,689 GDOT - \$89,676
Total Project Cost	\$127,365
Agency ID or Contract Number	DTRT12GUTC12 NCTSPM 2013-004 RP 12-18
Start and End Dates	Start: Jan 1, 2012 (Official); August 13, 2012 (Actual) End: December 31, 2013
Brief Description of Research Project	The purpose of this research is to develop an evidence-based planning tool and database that will help agencies to strategically plan the development of their asset management programs using accumulated experience to achieve higher-performance output. Specifically, the research will: (1) Conduct a literature review to determine best practices in evidence-based design, planning and programming that can be applied to Transportation. It will also draw from existing key literature on performance management; (2) Work with AASHTO, TRB and other relevant professional organizations to determine and refine key performance indicators for tracking asset management program performance; (3) Design and conduct multiple case studies to collect best practices and lessons learned in asset management program development (both network-level and project-level asset management); (4) Develop procedures to evaluate program maturity levels against performance as indicated by key performance indicators; and (5) Develop prototype evidence-based database and planning tool for performance –based planning of asset management program development
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	The results of this study are expected to help define quality of evidence for the outcomes of transportation asset management program investments.
Impacts/Benefits of Implementation (actual, not	Paper on evidence-based framework for developing quality information in transportation asset management being developed for submission for review to be presented at the 2014 Annual Transportation Research



anticipated)	Board Meeting and publication in the Transportation Research Record.
Web Links <ul style="list-style-type: none">• Reports• Project website	Project information at www.irg.ce.gatech.edu
Names of students who are financially supported by this grant	Janille Smith-Collins Jamie Fischer Margaret Akofio-Sowah Richard Boadi Stephanie Brodie
Names of students who are participating (but not financially supported) by this project	--