

Project Information Form

Project Title	Bringing Freight Components into Statewide and Regional Travel Demand Forecasting
University	Georgia Institute of Technology
Principal Investigator	David Jung-Hwi Lee
PI Contact Information	david.lee@coa.gatech.edu , 404-385-5120
Funding Source(s) and Amounts Provided (by each agency or organization)	<p>Awarded from UTC: \$150,000</p> <ul style="list-style-type: none"> • GaTech \$128,196 • UAB \$21,804 <p>Match: \$150,000</p> <ul style="list-style-type: none"> • \$91,406 (GDOT) • \$36,790 (CQGRD) • \$21,804 (ALDOT)
Total Project Cost	Project Total: Finalized \$300,000
Agency ID or Contract Number	Project #: 4906612
Start and End Dates	July/2012 ~ December/2013
Brief Description of Research Project	This study will explore the possibility of a tour-based freight demand model at the state/regional level utilizing (1) recently available nationwide GPS-based truck movement data, in conjunction with existing data sources. (2) detailed employment databases that provide NAICS sector breakdowns, and (3) regional transport networks, which can show all possible paths of freight movements. The study will investigate the current state of the practice and construct a transferrable framework for state/regional freight demand models, including two case studies.
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	Many DOTs and MPOs seek a standardized freight demand model to apply to their state or region. This study is intended to eventually lead to such a freight demand model, laying out long-term guidelines for how to develop a real-world commodity flow-based freight demand model (FDM).
Impacts/Benefits of Implementation (actual, not anticipated)	The results will inform and examine data sharing, modeling, and collaborative planning and integration of MPO freight activity in statewide freight planning.

Web Links

- Reports
- Project website