



Project Information Form

Project Title	Bringing Freight Components into Statewide and Regional Travel Demand Forecasting
University	Georgia Institute of Technology
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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	DTRT12GUTC12 Project #: 4906612
Start and End Dates	July/2012 ~ December/2013 (Extended to June/2014)
Brief Description of Research Project	This study explores 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 investigates the current state of the practice and constructs a transferrable framework for state/regional freight demand models, including two case studies (Atlanta, GA and Birmingham, AL).
Describe Implementation of Research Outcomes (or why not implemented)	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 utilizing GPS data, laying out long-term guidelines for how to develop a real-world commodity flow-based freight

(Attach Any Photos)	demand model (FDM).
Impacts/Benefits of Implementation (actual, not anticipated)	The results inform and examine data sharing, modeling, and collaborative planning and integration of MPO freight activity in statewide freight planning. A survey was conducted to find out current MPO and State level freight modeling activities. A tour-based Atlanta regional truck model has been developed and documented and transferring the same model structure for Birmingham metropolitan area has been completed as well. The team is currently compare the existing models with the newly developed models and work on planning applications with some scenarios. The final deliverable is under refinement and revision. The dates for project deliverables have changed and implementation is yet to occur.
Web Links <ul style="list-style-type: none">• Reports• Project website	The final deliverable will be completed shortly.