

Project Information Form

Project Title	Automated Data Collection for Origin/Destination Studies of Freight Movement
University	University of Central Florida
Principal Investigator	Amr A. Oloufa, Ph.D., P.E.
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Funding Source(s) and Amounts Provided (by each agency or organization)	Florida Department of Transportation \$150,000.
Total Project Cost	\$250,000
Agency ID or Contract Number	977-16
Start and End Dates	May 2013 - January 2014
Brief Description of Research Project	<p>The collection of reliable Origin/Destination data for freight has profound consequences for a large range of applications in both planning and operations. Indeed, in both research and practice, a large number of applications rely heavily on such data.</p> <p>This project has four major objectives:</p> <ol style="list-style-type: none">1. Assess gantry-mounted cameras and OCR technology for collecting large sets of O/D Data.2. Develop a database-based system for O/D data archival and analysis.3. Design and deploy a hardware system for rapid installation in a large number of installation scenarios on highway gantries.4. Design and deploy a solar-based system for power.

Describe Implementation of Research Outcomes (or why not implemented)

(Attach Any Photos)

This is a practically oriented project which relies data collected from cameras mounted on several highway gantries, lighting systems for license plate reading, solar power, and software for data analysis.

Impacts/Benefits of Implementation (actual, not anticipated)

An inexpensive and automated method for Origin/Destination data collection.



Web Links	
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- Reports
- Project website