



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.
PI Contact Information	Department of Civil, Environmental & Construction Engineering 4000 Central Florida Blvd. Orlando, FL 32816 (407) 823-3592
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	DTRT12GUTC12
Start and End Dates	May 2013 - December 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.



<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>(Attach Any Photos)</p>	<ol style="list-style-type: none">1. Alternative foundation design approved by FDOT.2. New Contractor quotations.3. Database programming.4. Simulation dataset developed.5. Routing algorithm tested. <p>Research has developed a plan to expedite the project and plans to install solar and camera systems this quarter.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>An inexpensive and automated method for Origin/Destination data collection.</p>
<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project website	<p>Attached report.</p>