



Project Title – Quantifying the Costs of School Transportation
University – University of Florida
Principal Investigator – Noreen McDonald, Ph.D., University of North Carolina at Chapel Hill
PI Contact information – 919.962.4781 (phone), 919.962.5206 (fax), <a href="mailto:noreen@unc.edu">noreen@unc.edu</a>
Funding Source(s) and Amounts Provided (by each agency or organization)
Total Project Cost – \$500,298
Agency ID or Contract Number – 2012-022S
Start and End Dates – 7/1/12–6/30/15
Brief Description of Research Project: Document the full cost of getting children to school and develop a decision support tool to help transportation and school planners minimize transport costs when siting or improving schools.
Describe Implementation of Research Outcomes (or why not implemented) We have published an analysis of safety costs of school travel in Accident Analysis & Prevention, assessed the multi-modal costs of school travel and published in Transportation, and developed a beta-version practitioner cost calculator.
Place Any Photos Here
<p><b>Figure 2-1. School Siting Example from Study</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Regional Context Perspective</p> </div> <div style="text-align: center;">  <p>School Campus Perspective</p> </div> </div> <p><b>Figure 3-2. Florida and North Carolina School Site Selection</b></p>

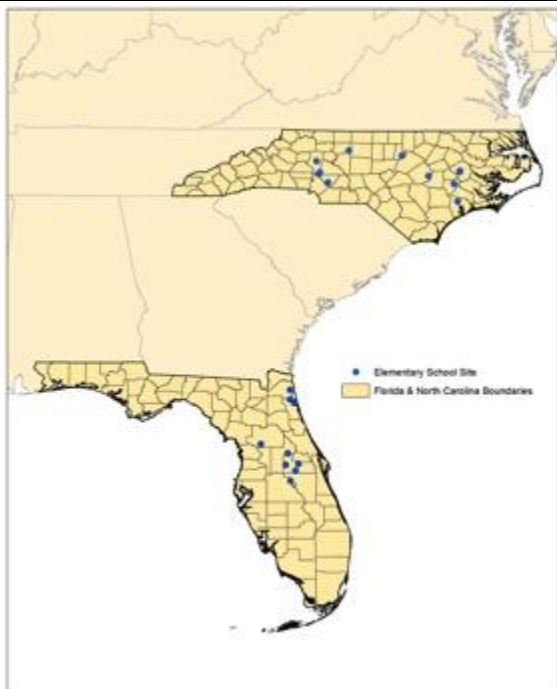


Figure 3-3. Example of areal surface infrastructure polygon overlay technique for two selected study sites.



Princeton Elementary School in Princeton, NC.



Marion Oaks Elementary School in Ocala, FL.

*Note for Figure 3-3.* The blue polygon identifies school driveway and unloading zone surface areas for passenger vehicles; the purple polygon identifies school driveway and unloading zone surface areas for school buses.

Impact/Benefits of Implementation (actual, not anticipated)

N/A

Final Report on STRIDE Website:

[http://stride.ce.ufl.edu/uploads/docs/STRIDE\\_QSTC\\_FinalReport2015\\_Main.pdf](http://stride.ce.ufl.edu/uploads/docs/STRIDE_QSTC_FinalReport2015_Main.pdf)

Appendix 1: [http://stride.ce.ufl.edu/uploads/docs/STRIDE\\_QSTC\\_FinalReport2015\\_AppI.pdf](http://stride.ce.ufl.edu/uploads/docs/STRIDE_QSTC_FinalReport2015_AppI.pdf)

Appendix 2: [http://stride.ce.ufl.edu/uploads/docs/STRIDE\\_QSTC\\_FinalReport2015\\_AppII.pdf](http://stride.ce.ufl.edu/uploads/docs/STRIDE_QSTC_FinalReport2015_AppII.pdf)

Appendix 3: [http://stride.ce.ufl.edu/uploads/docs/STRIDE\\_QSTC\\_FinalReport2015\\_AppIII.pdf](http://stride.ce.ufl.edu/uploads/docs/STRIDE_QSTC_FinalReport2015_AppIII.pdf)

Final Report on TRB/TRID: <https://trid.trb.org/view/2015/M/1360392>