



<b>UTC Project Information – Project 1.11</b>	
Project Title	Energy Harvesting and Advanced Technologies for Enhanced Life
University	University of Rhode Island
Principal Investigator	K. Wayne Lee, Ph.D.
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$ 128,353.52 URI Research Office: \$ 129,156.44
Total Project Cost	\$257,509.96
Agency ID or Contract Number	69A3551847101
Start and End Dates	7/1/18 and 6/30/20
Brief Description of Research Project	<p>The objectives of this project are to:</p> <ul style="list-style-type: none"> <li>• to develop a perpetual pavement system with embedded solar harvesting unit</li> <li>• to perform a thermodynamic analysis of the pavement cooling system and the pavement system with embedded solar harvesting unit (i) to ascertain the maximum benefits that are possible within the constraints of thermodynamics, and (ii) to identify the most important sources of losses and inefficiencies within each system.</li> </ul>
Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here	This project is in its initial research phase. Implementation of Research outcomes will be reported upon completion of initial research.
Impacts/Benefits of Implementation (actual, not anticipated)	This project is in its initial research phase. Impacts and benefits of the research will be reported after the implementation phase.
Web Links <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul>	<a href="http://www.egr.uri.edu/ritrc">www.egr.uri.edu/ritrc</a>