UTC Project Information	
Project Title	MPC-471 – Enhancement of Mechanistic-Empirical Pavement Design Guide for Roadway Design, Construction and Rehabilitation
University	University of Wyoming
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Funding Agencies	USDOT, Research and Innovative Technology Administration
Agency ID or Contract Number	DTRT13-G-UTC38
Project Cost	\$105,927
Start and End Dates	September 30, 2013 to September 30, 2018
Project Duration	September 30, 2013 to September 30, 2018
Brief Description of Research Project	<ul> <li>The ongoing WYDOT's research focuses on calibrating local material properties for unbound subgrade layer in Wyoming while the proposed 2-year research serves as a supplementary study to enhance the full implementation of MEPDG in Wyoming, including rehabilitation roadway projects. This research project has the following principal objectives: <ol> <li>Improve the prediction of pavement performance in the design process;</li> <li>Enhance the pavement design efficiency of new and rehabilitated roads</li> <li>Facilitate MEPDG implementation in the state of Wyoming.</li> </ol> </li> </ul>
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The research outcomes were shared with WYDOT to be considered for implementation to achieve a more efficient and economical pavement design. The recommendations can be incorporated into the MEPDG pavement design using the AASHTOWare software.
Impacts/Benefits of Implementation (actual, not anticipated)	On average, the overall material cost for a new flexible pavement designed based on Design Approach 1 using the WYDOT 2012 design guide was

	found to be 21% higher than the Design Approach 2 using the locally calibrated material properties and distress coefficients.
Web Links	https://www.ugpti.org/resources/reports/details.php?id=940
• Reports	
Project Website	