

UTC Project Information	
Project Title	MPC-633 – A Feasibility Study for Establishing a Regional Road Track Pavement Testing Facility in Wyoming
University	University of Wyoming
Principal Investigator	Marwan Hafez, Ph.D. Khaled Ksaibati, Ph.D., P.E.
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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Office of the Assistant Secretary for Research and Technology \$68,628</p> <p>Wyoming Department of Transportation \$102,002</p>
Total Project Cost	\$170,630
Agency ID or Contract Number	69A3551747108
Start and End Dates	August 25, 2020 to July 31, 2022
Brief Description of Research Project	<p>Road testing provides a logical method to test pavement materials and structures under actual traffic loading and environmental conditions. Although different experiments of road testing track were conducted in several states, no road track testing facility was developed in the dry-freeze climatic region for regional research. The state of Wyoming presents a unique opportunity to be the home for a regional facility of road testing track. Wyoming's Interstate 80 provides approximately traffic loads of 2 million Equivalent Single Axle Load (ESAL) per year which can cause accumulated damage on test sections in a timely manner. This proposal identifies the feasibility of building the regional testing facility on Wyoming's I-80. The proposal will determine the benefit cost impact of the testing facility and identify potential experiments of cutting-edge investigations in pavement design, materials, construction, and management. The study will be divided into two phases where the first phase will focus only on the feasibility study to obtain sufficient relevant information for building and operating the regional testing facility. The results from this study are expected to</p>

	provide informed decisions for the implementation of pavement testing in the regional facility in the second phase.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none">• Reports• Project Website	