

<b>UTC Project Information</b>	
Project Title	MPC-658 – Analysis of Benefits and Costs for Gravel and Unpaved Roads
University	North Dakota State University
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT, Office of the Assistant Secretary for Research and Technology \$70,000  NDSU Uncollected Indirect Costs \$70,000
Total Project Cost	\$140,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	June 24, 2021 to July 31, 2022
Brief Description of Research Project	Unpaved roads are owned and maintained by county, township or tribal jurisdictions. Due to lower funding levels, there may be a lack of formal planning and prioritization of unpaved road networks with a focus on repair rather than preservation. As construction costs increase, prioritization of scarce funds is required to maintain an existing system. Over the last decade, construction costs have increased while funding has remained relatively constant (Federal Highway Administration 2018). This research is intended to develop a framework that includes user costs, condition analysis, life-cycle analysis and benefit-cost analysis for use in quantifying the impacts of maintenance and improvement activities on unpaved and gravel roads.
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"> <li>• Reports</li> <li>• Project Website</li> </ul>	