

UTC Project Information	
Project Title	MPC-602 – Local Road Safety Program Evaluation: Perceptions, Experiences & Implementation
University	North Dakota State University
Principal Investigator	Kimberly Vachal, Ph.D. Kelly Bengtson, P.E. Brad Wentz, P.E. Dale Heglund, P.E./PLS
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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 \$126,000</p> <p>Transportation, Logistics and Finance Department Upper Great Plains Transportation Institute \$126,000</p>
Total Project Cost	\$252,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	April 16, 2019 to July 31, 2024
Brief Description of Research Project	Sustained efforts to ensure that people and goods can be moved safely and efficiently throughout the road network are essential in attracting businesses and growing communities that enable economic growth. North Dakota local road manager and stakeholder participants in these

	<p>LRSP will be surveyed to gain insight into safety planning, investments and stakeholder involvement. The LRSP was implemented as a strategy in the 2012 Strategic Highway Safety Plan that was developed by the NDDOT. These plans were completed between 2013 and 2015, so now is an opportune time to revisit the process and outcomes as the NDDOT moves forward with a 2017 update to the SHSP. Safety investments in infrastructure and behavioral interventions and best practices will be presented in a project report. This information will be used to explore their possible integration into GIS-based local road safety management tools. In addition, survey results will be used in outreach efforts to support state engagement with counties in safety project identification, HSIP/other funding opportunities and training/outreach gaps with regard to peer practices and Vision Zero/SHSP priorities.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>Results offer valuable insight regarding the need for state leadership and support with traffic safety initiatives, especially with counties that may have severe resource constraints and/or inexperience with regard to safety issues and improvement strategies. In addition, the value of baseline and period survey with this group provides a means to assess progress quantitatively to support anecdotal qualitative insights. Future assessment can be used to monitor gains with the local-led road safety efforts.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>Increased awareness of local road safety efforts, specifically leading counties as champions in local road safety monitoring, investments and strategy adoption.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	<ul style="list-style-type: none"> • MPC Research Report – Local Road Safety Practices and Perceptions in North Dakota • Journal Paper – A Delphi-FMEA Model to Assess County-Level Speeding Crash Risk in North Dakota