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| **UTC Project Information** | |
| Project Title | MPC-452 – Updating the Highway Safety Manual 2010 - Part C: Regional Consideration of the Rocky Mountains and Plain Regions |
| University | University of Wyoming |
| Principal Investigator | Mohamed M. Ahmed, Ph.D.  Khaled Ksaibati, Ph.D., P.E. |
| PI Contact Information | Mohamed M. Ahmed, Ph.D.  Civil & Architectural Engineering  University of Wyoming  1000 E. University Ave., Laramie, WY 82071  Phone: (307) 766-5550  Email: mahmed@uwyo.edu  Khaled Ksaibati, Ph.D., P.E.  Civil & Architectural Engineering  University of Wyoming  1000 E. University Ave., Laramie, WY 82071  Phone: (307) 766-6230  Email: khaled@uwyo.edu |
| Funding Agencies | USDOT, Research and Innovative Technology Administration |
| Agency ID or Contract Number | DTRT12-G-UTC08, Modification No. 1 |
| Project Cost | $147,412 |
| Start and End Dates | April 1, 2014- July 31, 2017 |
| Project Duration | 3 Year |
| Brief Description of Research Project | The main objectives of this research project are to identify the adequacy of the first edition of the Highway Safety Manual (HSM) to quantify the safety performance of different roadway facilities in the region, calibrate and assess Safety Performance Functions based on regional data and to provide guidelines and recommendations for future research. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here | The outcomes are being used to develop Crash Modification Factors for various countermeasures on Wyoming's roadways. |
| Impacts/Benefits of Implementation  (actual, not anticipated) | The estimated Wyoming-specific full SPFs were statistically more accurate in predicting the number of crashes than the HSM calibrated ones and hence, they are recommended for assessing the safety performance of rural highways in Wyoming. |
| Web Links   * Reports * Project Website | https://www.ugpti.org/resources/reports/details.php?id=901 |