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| **UTC Project Information** | |
| Project Title | MPC-365 – Improved Understanding of Pavements Impacts and Cost-Effective Designs based on Mechanistic Empirical Methods |
| University | University of Wyoming  North Dakota State University |
| Principal Investigator | Kahled Ksaibati  Denver D. Tolliver |
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| Funding Agencies | USDOT, Research and Innovative Technology Administration |
| Agency ID or Contract Number | DTRT12-G-UTC08 |
| Project Cost | $159,106.60 |
| Start and End Dates | January 1, 2012 – December 31, 2013 |
| Project Duration | 2 Years |
| Brief Description of Research Project | Research the effectiveness of the MEPDG compared to the AASHTO 1993 guide for improvement and reconstruction to local paved roads in Wyoming and North Dakota affected by increased oil truck traffic. The effectiveness will be determined by comparing reconstruction and rehabilitation designs created using the MEPDG and the AASHTO 1993 guide. The dataset will first be evaluated using the AASHTO 1993 design procedures to come up with a recommended pavement improvement and reconstruction design. Next, using that same data and additional applicable input parameters, the process will be completed again with the MEPDG. Finally, the results will be reviewed to determine which guide provides the most suitable design for rehabilitation and reconstruction work for local paved roads in south east Wyoming and North Dakota. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here |  |
| Impacts/Benefits of Implementation  (actual, not anticipated) |  |
| Web Links   * Reports * Project Website | https://www.ugpti.org/resources/reports/details.php?id=830 |