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| **UTC Project Information** | |
| Project Title | MPC-401 – Review of Road User Costs and Methods |
| University | South Dakota State University |
| Principal Investigator | Xiao Qin, Ph.D., PE |
| PI Contact Information | Assistant Professor  Department of Civil and Environmental Engineering  South Dakota State University  Phone: (605) 688-6355  Email: xiao.qin@sdstate.edu |
| Funding Agencies | USDOT, Research and Innovative Technology Administration |
| Agency ID or Contract Number | DTRT12-G-UTC08 |
| Project Cost | $ 48,219 |
| Start and End Dates | 2012 - 2013 |
| Project Duration | 9 Months |
| Brief Description of Research Project | The road user cost can be used to determine contracting mechanisms, incentives, and disincentives for construction time, and travel control strategies, project phasing, staging, and timeline that best balance construction costs with costs of delay to travelers and freight. The goal of this project is to evaluate different Road User Costs (RUC) estimation methods being utilized across the nation by state departments and agencies and recommend appropriate RUC method and tools to SDDOT with the objective of developing a standardized worksheet for use across the multiple offices. Regional agency practices regarding unit cost would also be reviewed and used to establish a procedure to keep unit costs up-to-date. Formulation of a RUC worksheet for SDDOT use with the proposed methodology and procedures to maintain current units cost data would be documented in a user manual. |
| 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=745 |