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| **UTC Project Information** | |
| Project Title | MPC-453 – Speed Selection Behavior during Winter Road Conditions |
| University | University of Wyoming |
| Principal Investigator | Rhonda Young |
| PI Contact Information | Associate Professor  Dept. of Civil and Architectural Engineering  University of Wyoming  Phone: (307) 766-2184  Email: rkyoung@uwyo.edu |
| Funding Agencies | USDOT, Research and Innovative Technology Administration |
| Agency ID or Contract Number | DTRT12-G-UTC08, Modification No. 1 |
| Project Cost | $127,753 |
| Start and End Dates | April 1, 2014- July 31, 2017 |
| Project Duration | 3 Year |
| Brief Description of Research Project | This study proposes to build on the work done on the four interstate variable speed limit corridors from the previous research and add additional rural interstate corridors also subject to frequent adverse winter weather conditions to investigate the questions described above. The research also proposes to use the results from observations and estimated models to provide recommendations on the use of traffic simulation tools to analyze weather responsive traffic management strategies. Lastly, the study will provide guidance on what speed compliance and speed variation targets would be appropriate for the analyzing the success of these weather responsive traffic management strategies. |
| Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here | The work presented in this report was further developed in subsequent research projects and is partially being implemented in the Wyoming Connected Vehicle Pilot Deployment work. |
| Impacts/Benefits of Implementation  (actual, not anticipated) | Increased understanding of driver behavior in adverse weather conditions is critical to developing and successfully implementing weather responsive traffic management strategies. |
| Web Links   * Reports * Project Website | https://www.ugpti.org/resources/reports/details.php?id=960 |