

| <b>UTC Project Information</b>  |   |
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| Project Title   | MPC-430 – Implementation of Intelligent Compaction Technologies for Road Constructions in Wyoming   |
| University  | University of Wyoming   |
| Principal Investigator  | Kam Ng<br>Khaled Ksaibati   |
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| Funding Agencies  | USDOT, Research and Innovative Technology Administration  |
| Agency ID or Contract Number  | DTRT12-G-UTC08, Modification No. 1  |
| Project Cost  | \$82,754  |
| Start and End Dates   | January 1, 2013 - December 31, 2013   |
| Project Duration  | 1 Year  |
| Brief Description of Research Project                                 | <p>With the advent of measurement technology and the integration of GPS, IC provides a complete, efficient and continuous assessment of compacted earthwork and HMA conditions during road constructions. The successful implementation of IC will significantly improve our quality assurance and control of compaction operations. The research project has the following principal objectives:</p> <ol style="list-style-type: none"> <li>1. Study the implementation of current IC technologies for road constructions in the State of Wyoming;</li> <li>2. Evaluate the advantages and challenges with the implementation of the IC technologies for production compaction operations; and</li> <li>3. Provide a foundation of knowledge for developing IC guidelines/specifications into earthwork and HMA construction practices.</li> </ol> |
| Describe Implementation of Research Outcomes (or why not implemented) |   |
| Place Any Photos Here   |   |

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| Impacts/Benefits of Implementation<br>(actual, not anticipated)                               |   |
| Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project Website</li></ul> | <a href="https://www.ugpti.org/resources/reports/details.php?id=789">https://www.ugpti.org/resources/reports/details.php?id=789</a> |