

## **RP 263 – Unbound Material Characterization for Pavement ME Implementation in Idaho**

- Project Description:

ITD is working to implement mechanistic-empirical (ME) pavement design using AASHTO's Pavement ME software. The goal of this project is to develop statewide information about the materials characteristics of unbound materials used in ITD paving projects. This data will then be incorporated into a database with other Idaho-specific information (asphalt and PCC materials characterization data, truck traffic and weather information) that is used by the Pavement ME software to tailor pavement design recommendations to local conditions.
- Project Objectives:

The objectives of this project are to:

  1. Develop a database with appropriate unbound material (aggregate and soil) properties for direct input during mechanistic-empirical design of pavements in Idaho.
  2. Develop correlations between resilient modulus and index properties such as R-value to check the accuracy of correlations currently used during Level 2 and Level 3 design efforts using Pavement ME Design.
- Estimated Completion Date: January 31, 2019
- Budget: \$180,000
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