

RP 252 – Evaluation, Comparison, and Correlation between the Idaho IT-144 and AASHTO T-84 Methods for Determining the Specific Gravity and Absorption Properties of Fine Aggregate

- Project Description:
This project will determine the specific gravity and absorption properties of typical aggregates used in Idaho pavements according to the CoreLok and AASHTO testing procedures. The goal is to develop a correlation between the two test methods with a view to improving the accuracy and consistency of reported results.

- Project Objectives:
The objectives of this project are to:
 1. Determine the specific gravity and absorption properties of typical aggregate used in Idaho pavements according to the CoreLok and AASHTO testing procedures.
 2. Develop a correlation between the CoreLok and AASHTO testing methods.
 3. Improve accuracy and consistency of reported results because of the correlation between the two tests.
 4. Provide a best fit statistical model for use in determining Gsb and absorption using the CoreLok method so ITD can reduce the subjectivity, time and cost of testing.

- Estimated Completion Date: May 31, 2018
- Budget: \$104,100.00
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