

RP 305 – Updated Road Map for Implementing the AASHTO Pavement ME Design Software for the Idaho Transportation Department

○ Project Description:

The Idaho Transportation Department (ITD). The Idaho Transportation Department (ITD) has moved towards full implementation of AASHTOWare Pavement ME as their primary design tool for designing flexible and rigid pavements. ITD has invested significant resources towards the implementation and use of the PMED software. Currently, ITD is pursuing new data collection for soils (resilient modulus) and weigh-in-motion capabilities continue to develop in support of the PMED software.

ITD engineers are recognizing the current calibrations and materials catalogs are becoming out of date, while the Pavement ME Design software continues to evolve, and may or may not be applicable to ITD designs. More importantly, in July 2022 AASHTOWare released version 3.0 of the PMED software, a web-based technology version that was dictated by AASHTO to improve all products under the AASHTOWare umbrella.

The purpose of this project is to conduct a critical review of ITD's Materials Manual and the Implementation Road Map to identify revisions that may be needed to continue with the efficient use of the PMED software as part of ITD's design procedures.

○ The objectives of this project are:

1. To evaluate ITD 2014 Pavement ME software implementation plan to verify if still applicable To determine new ways to use drones to meet agency needs
2. Examine Pavement ME guidance in context of ITD Materials Manual and identify improvements needed to facilitate its use.
3. Review implementation plans prepared by other agencies to determine if ITD's goals are congruent with other similar states and identify differences
4. Estimate resources needed to move forward with implementation, allowing for any required operational changes, and listing milestones toward the necessary changes.

○ Estimated Completion Date: September 30, 2023

○ Budget: \$100,000

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