Graduate Student Opportunity

Name of Project:
Environmental Effects on Physiochemical Properties of Bituminous Materials

Graduate Level:
MS/PhD

Description of Position:
The position will require knowledge of physiochemical and mechanical experimental procedures on bituminous materials or ability to acquire such knowledge within reasonable time frame. The testing will be conducted in the Institute of Material Science (IMS) and Connecticut Advanced Pavement Laboratory (CAPLab), both located at the University of Connecticut. The graduate student working at this position will be also responsible for extensive literature review, development of analytical and/or numerical aging model(s) based on the laboratory results and implementation of such models into the Pavement Management System (PMS). The graduate student will be required to process and analyze the datasets using several software packages, e.g. Minitab, Matlab, FileMaker.

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