

5.1.1

Pavement Condition Evaluation Mobile iOS

Presenter

Eric Green, GISP

Research Engineer

University of Kentucky

eric.green@uky.edu

Co-Presenter

This project is to develop an iOS mobile GIS application that will help make the Pavement Resurfacing Program be more efficient by eliminating duplicate efforts and reduce the overall work of creating forms and maps. Each inspection will be completed with an Apple iPad using GPS and ArcGIS mobile capabilities. The application will contain the Resurfacing Sections for each district, with beginning and ending mile points, as well as a base map for reference and orientation. The software will allow for easy navigation to each location. The device would be able to synchronize to the PMS Database by uploading to an ArcGIS service. The electronically uploaded data can then be accessed in a timelier manner by central office and district personnel.

Bio(s):

Eric Green received his Bachelor's and Master's Degrees in Civil Engineering in the University of Kentucky. He has worked for KTC at UK since 1998 and is a research engineer in traffic and safety. He is a professional engineer and a GISP.