

5.3.1

Deconstructing Stovepipes: FHWA's Data Integration Initiative

Presenter

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The Federal Highway Administration (FHWA) manages several mission critical applications and database systems which are used to collect, analyze, and report various types of data that describe the condition and performance of the nation's transportation infrastructure. As FHWA looks to improve performance across its various programs and support new data transparency and reporting requirements, programmatic changes are required in order to improve the overall quality, usability, and effectiveness of these systems. In order to address these needs, FHWA is currently working to implement an enterprise data management system that will provide a "one-stop shopping" resource for the various infrastructure condition, performance, and project data that are maintained in four of the agency's core systems. This presentation will discuss the business and programmatic requirements for this new platform. In addition, the presentation will discuss the business intelligence solutions to be implemented, which include ArcGIS for spatial data analysis and visualization purposes.

NOTE: This project is currently in the Strategic Implementation Plan development phase w/ design/development slated to commence in March 2012.