

Session 3.2.2 Web-Based Management Services for Infrastructure Corporation of America

Presenter

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Infrastructure Corporation of America (ICA) recently decided to start an asset management and condition assessment services project in order to assist them in managing their assets within the Department of Transportation (DOT) right-of-ways.

ICA and other companies who maintain DOT assets recognize the benefits of an accurate asset inventory, e.g., an accurate asset inventory makes for a well informed bid to secure a project. Once an asset's condition has been properly assessed, its condition can serve as a useful benchmark for comparison with similar assets to determine if it needs to be either repaired or replaced. Woolpert is collecting and populating this data in a Geographic Information System (GIS) database, thus ICA/DOT will have both spatial information and a relative condition assessment of each asset at the touch of a button. Additionally, because these assets have been collected in a geospatial format, this data can be leveraged into a GIS centric asset management system. The benefits of such a system allow ICA the flexibility to share this data with DOT as maintenance is performed providing both parties with a real-time snapshot of the corridor condition. To facilitate the communication between DOT and ICA, Woolpert developed an interactive web mapping application that allows the user to view and query selected assets and track their maintenance operations. The database and web mapping application allows ICA and DOT to streamline their current workflow and ultimately provides intelligence for educated business decisions