

3.4.2

Georeferencing West Virginia DOT's Roadside Assets: An Asset Inventory Case Study

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The West Virginia Department of Transportation's requirement to inventory its roadside assets within the 18,000 miles of its road network poses a significant GPS challenge due to the mountainous West Virginia terrain. The Fugro Roadware solution offers a safe, cost-effective, georeferenced, time saving alternative to the manual cataloging of WVDOT's roadside assets. Fugro Roadware uses an inertial referencing system with three HD video cameras to collect georeferenced right-of-way video images, while simultaneously collecting pavement condition data for the DOT. WVDOT can easily bring data from these images into its Arc ESRI software to manipulate in any manner required. Georeferenced data on close to half a million assets will be delivered over the 2008-2009 survey.