

6.3.3 LIDAR Collection and Integration for the Hawaii DOT

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Mandli Communications, Inc. has been assisting the Hawaii Department of Transportation with their photolog and road inventory data collection operations since 2003. In 2009, Mandli additionally began a LIDAR data collection project for the state maintained highways. Positional, LIDAR, and imaging data was collected for the entire state-maintained highways network on Oahu. The goal of the Hawaii DOT is to collect, maintain, and use high quality, accurate data to improve their business processes. Mandli is currently working with the Hawaii DOT to create data management workflows that are efficient, intuitive, and compatible with the end user software, such as Bentley's InRoads and Integraph's GeoMedia product suite. The Hawaii DOT is one of the first agencies to utilize the capabilities of this new positional, LIDAR, and imaging data set, and this presentation will show how the process of collection to analysis improves Hawaii's capabilities to make better, more informed decisions on their facilities.