Hawaii Department of Transportation Creates Safer Roads with Bentley Systems' Asset Analytics Solution

Bentley's Blyncsy solution uses AI to help the Hawaii Department of Transportation spot roadway damage faster, prioritize repairs, and keep drivers safe

EXTON, Pa., January 7, 2026 — Bentley Systems, Incorporated (Nasdaq: BSY), the infrastructure engineering software company, announced today its Blyncsy solution is being used by the Hawaii Department of Transportation (Hawaii DOT) in the *Eyes on the Road* program—an initiative driven by the Hawaii DOT in partnership with The University of Hawaii to enhance roadway safety statewide.

The *Eyes on the Road* project provides 1,000 free high-resolution dash cameras to Hawaii residents to install in their vehicles, to improve roadway conditions and keep the roads safe. The cameras record video automatically as residents drive normally each day. The collected crowd-sourced imagery captures road safety issues such as guardrail damage, vegetation encroachment, debris on the road or along the shoulder, and other roadway hazards. The footage is uploaded to the cloud through a cellular connection and then automatically analyzed using machine learning algorithms and advanced AI analytics from Bentley's Blyncsy, anonymously.

Blyncsy, part of Bentley's Asset Analytics portfolio, transforms dash camera footage and other roadway imagery into actionable insights. It automatically detects and reports on the condition of critical transportation assets, enabling transportation agencies to prioritize maintenance, improve safety, and make data-driven decisions more efficiently.

In the *Eyes on the Road* program, Bentley's Blyncsy is used to identify and report roadway issues to Hawaii DOT in near real time, allowing maintenance crews to address and rectify these issues swiftly, ensuring that roads are kept safe for vehicles, cyclists, and pedestrians.

"Our crews have been working with Blyncsy to refine the machine learning algorithms to amplify our efforts to efficiently maintain our transportation infrastructure," said Hawaii Department of Transportation Director Ed Sniffen. "The Eyes on the Road program will give us the information we need to get to damaged facilities quickly."

Mark Pittman, senior director of Transportation AI at Bentley Systems, added, "Bentley's goal is to give transportation agencies real-time visibility into the state of their roadways. By combining AI and machine learning analytics with dash cam imagery, we are helping Hawaii DOT move from reactive to proactive maintenance to reduce risk, lower costs, and save lives."

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Associated Image

Caption: Bentley's Blyncsy solution collects high-resolution dash camera imagery from state roads across Hawaii to help Hawaii DOT identify road hazards more quickly, including guardrail damage and vegetation encroachment. (Image courtesy of Bentley Systems)

About Bentley Systems
Around the world, infrastructure professionals rely on software from Bentley Systems to help them design, build, and operate better and more resilient infrastructure for transportation, water, energy, cities, and more. Founded in 1984 by engineers for engineers, Bentley is the partner of choice for engineering firms and owner-operators worldwide, with software that spans engineering disciplines, industry sectors, and all phases of the infrastructure lifecycle. Through our digital twin solutions, we help infrastructure professionals unlock the value of their data to transform project delivery and asset performance.

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