Blyncsy Publishes Map of U.S. Interstate Highways Showing Roadway Assets to Enhance Safety, Maintenance, and Accelerate the Digital Infrastructure Movement Nationally

Blyncsy empowers state DOTs with the ability to monitor and compare—in near real-time—the status of any major highway in the continental U.S. with their existing data for more informed decision-making

PHILADELPHIA — 2024 AASHTO Annual Meeting & Expo — October 29, 2024 — Blyncsy, a Bentley Systems, Incorporated (Nasdaq: BSY) company, today announced it published a comprehensive public map of all interstate highways in the continental United States showing key roadway assets such as guardrails, speed limit signs, and work zones to support roadway safety and maintenance conditions. This data is now available to all state U.S. Department of Transportation (DOT) agencies, enabling them to better address safety, maintenance, and repair operations of deteriorating and at-risk roads more efficiently and cost-effectively, especially during times of natural disasters.

The new Blyncsy interstate highway map uses crowdsourced dash camera imagery from over 1 million vehicles in use today which, when coupled with Blyncsy's powerful AI image analysis toolset, can detect over 40 different road conditions and asset inventory issues in near-real time. These issues include potential roadway safety hazards from guardrail damage, missing signage, and lack of proper road striping to roadway vulnerabilities from crashes, natural disasters, and work zone areas.

Blyncsy's AI-powered crowdsourced data is delivered through an open API, providing state DOTs a solution that is infinitely scalable and more cost-efficient when compared to other manual data collection technologies like LiDAR, or traditional road inspection methods, which require road maintenance crews to be dispatched.

"The application of advanced technologies like AI, combined with new sources of data, are transforming the transportation sector, giving us better information as we make investments in safety and mobility," said Laura Chace, President and CEO of ITS America. "We applaud companies like Blyncsy for deploying these forward-thinking technologies and making this digital infrastructure data available to the public in an accessible format. We're excited to see how Blyncsy's data launch will support the core values of safety and equity while furthering the digital infrastructure movement on a national scale."

"With increasing workloads and smaller budgets, state DOTs need a way to improve roadway safety and operational efficiencies," said Mark Pittman, Blyncsy CEO and Bentley's Director of Transportation AI. "Today, we're supporting a national digital infrastructure vision and democratizing roadway data by publishing an open dataset of U.S. highways to help state DOTs better prepare, maintain, and repair more miles and create safer environments for maintenance crews and drivers, alike."

Blyncsy's new map of U.S. highways may be accessed here.

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About Blyncsy
Blyncsy is the industry leader in providing intelligent roadway insights, automated asset management and a near real-time status of road infrastructure to local governments and state departments of transportation. Blyncsy is the only company that utilizes crowdsourced imagery from over 800,000 vehicles already on the roads, machine learning and artificial intelligence to make roadways smarter, safer, more equitable and more efficient. Blyncsy provides organizations and Departments of Transportation with the data they need to make better decisions when it comes to traffic, safety, and health. Clients include Hawaii Department of Transportation, North Central Texas Council of Governments, Port Authority of New York and New Jersey, City of Plano Texas, and many others. Blyncsy is part of Bentley Systems, Inc. www.blyncsy.com

About Bentley Systems
Bentley Systems (Nasdaq: BSY) is the infrastructure engineering software company. We provide innovative software to advance the world's infrastructure – sustaining both the global economy and environment. Our industry-leading software solutions are used by professionals, and organizations of every size, for the design, construction, and operations of roads and bridges, rail and transit, water and wastewater, public works and utilities, buildings and campuses, mining, and industrial facilities. Our offerings, powered by the iTwin Platform for infrastructure digital twins, include MicroStation and Bentley Open applications for modeling and simulation, Seequent's software for geoprofessionals, and Bentley Infrastructure Cloud encompassing ProjectWise for project delivery, SYNCHRO for construction management, and AssetWise for asset operations. Bentley Systems' 5,200 colleagues generate annual revenues of more than $1 billion in 194 countries.

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For more information, contact:
Press: Erin Humphrey, PR@news.bentley.com
Investors: Eric Boyer, IR@bentley.com

Associated images:

Using AI image analysis, Blyncsy's comprehensive public map of U.S. interstate highways can identify key roadway assets such as speed limit signs and traffic cones. (Photo: Blyncsy)

By identifying key roadway assets, Blyncsy's comprehensive public map of U.S. interstate highways will enable state DOTs to better address safety, maintenance, and repair operations. (Photo: Blyncsy)