June 24, 2026
Dynamic Map Platform Co., Ltd.

Dynamic Map Platform Launches Bridge and Tunnel Management Solution for North American Transportation Authorities

—Expanding High-Definition 3D Data Originally Developed for Mobility into Infrastructure Asset Management—

Dynamic Map Platform Co., Ltd. (Head Office: Shibuya-ku, Tokyo; CEO & President: Shuichi Yoshimura; "Dynamic Map Platform") is pleased to announce the launch of a new solution that supports the development and management of bridge and tunnel clearance information for transportation authorities (Departments of Transportation: DOTs) in North America, leveraging High-Definition 3D Data that the Company has built up across the United States and Canada for mobility applications.



High-Definition 3D Data imagery of a bridge and tunnel

In the United States, approximately 15,000 bridge strikes occur every year*, making the accurate measurement and timely updating of bridge and tunnel clearance (vertical clearance) information a critical issue. In addition, road resurfacing can reduce vertical clearance by several inches, requiring continuous updates to keep data accurate. Furthermore, recent regulatory updates have prompted U.S. state transportation authorities to manage bridge information in greater detail, increasing the need for more granular data, including clearance information.

Traditional measurement methods often require on-site surveys, traffic control, and lane closures, posing safety and cost challenges. In contrast, the Company uses dedicated survey vehicles equipped with advanced Mobile Mapping Systems (MMS) to collect high-definition 3D data while driving at normal traffic speeds, minimizing the impact on traffic flow.

*Source: National Highway Traffic Safety Administration (NHTSA), 2021 data

In addition, Dynamic Map Platform has built up approximately 1.5 million kilometers of road data across 48 U.S. states and all of Canada, including information on approximately 250,000 bridges and overpasses and around 2,000 tunnels. By leveraging this large-scale existing data asset, the Company can support the efficient development and updating of bridge and tunnel clearance information.

Dynamic Map Platform's high-definition 3D data can be delivered in formats compliant with the SNBI (Specification for the National Bridge Inventory), the U.S. standard for bridge inventory management. It is also designed for integration with existing operational environments, including GIS and 3D data management platforms, enabling its use in bridge asset management workflows.

For more information on this solution, please refer to the dedicated page below.

- Bridge and Tunnel Management Solution: https://dmp-maps.com/assets-for-dot/

Through years of building High-Definition 3D Data for autonomous driving and Advanced Driver Assistance Systems (ADAS), the Company has accumulated extensive road data across North America. This new initiative expands the use of these mobility-oriented data assets into the field of infrastructure asset management.

While this solution is initially being launched in the North American market, the underlying technology and expertise can also be applied to infrastructure asset management in Japan, and the Company is exploring its potential use in the domestic market.

Dynamic Map Platform also introduced this solution at the ITS America Conference & Expo 2026, held in Detroit, USA in June 2026, and exchanged views with visitors including representatives from U.S. state transportation authorities.

- Related release: 「(Notices) Dynamic Map Platform Exhibits at ITS America Conference & Expo 2026」(June 23, 2026)
  https://www.dynamic-maps.co.jp/en/news/news-751/

Going forward, Dynamic Map Platform will continue to advance the development and utilization of high-definition 3D data to support the further evolution of the mobility sector, while expanding its use in infrastructure asset management—including bridge and tunnel management—to contribute to safer and more efficient social infrastructure.

＜About Dynamic Map Platform Co., Ltd.＞

Dynamic Map Platform was established with the backing of the Japanese government and investment from 10 Japanese automobile manufacturers and other enterprises. The company's headquarters is located in Japan, and it also has bases in North America, Europe, the Middle East, and South Korea; it is expanding its business in 26 countries.

As a High-Precision 3D Data platform that replicates the real world in a digital space, Dynamic Map Platform supports innovation in various industries.

Established: June 2016

Headquarters: Shibuya-ku, Tokyo

Representative: YOSHIMURA Shuichi

Business: Providing High-Precision 3D Data for a variety of industries, including automated driving and ADAS.

Website: https://www.dynamic-maps.co.jp/

X: https://x.com/dynamic_maps