



July 29, 2014

## Trimble and Bentley Accelerate Information Mobility with an Integrated Workflow for Road and Site Construction

### 3D Constructible Models Link Project Design to Field Construction

WILLIAMSBURG, Va., July 29, 2014 /PRNewswire/ -- [Trimble](#) (NASDAQ: TRMB) and [Bentley Systems](#) announced today the next advance of information mobility between project design and field construction. Using Bentley's ProjectWise collaboration servers and services, along with its [i-model technology](#) for the open exchange of infrastructure information, and [Trimble's Business Center - HCE office software](#), an integrated workflow for road and site construction is now possible. The U.S. Federal Highway Administration, as part of its ["Every Day Counts"](#) vision, has recognized that using 3D models with GPS-enabled heavy equipment for road construction can increase productivity by up to 50 percent. Trimble and Bentley are at the forefront of enabling this vision by joining forces to optimize the transfer of information-rich 3D engineered models to 3D constructible models.

The announcement was made today at the Transportation Research Board AFB80 2014 Summer Committee Meeting.

Bentley's V8i (SELECTSeries 3) civil engineering software, powered by [OpenRoads](#), generates i-models from detailed designs that are managed by ProjectWise and can be easily transferred to Business Center - HCE for construction preparation and management. Business Center - HCE uses Bentley's i-models to streamline the creation of 3D constructible models from the final contract drawings. To optimize construction management processes and maximize information transfer, Trimble® Connected Site® technology can then be used to send the designs wirelessly to machines and field systems on the construction site.

Design and engineering teams can use Bentley's [ProjectWise](#) to link construction and design offices. Contractors will have the ability to collaborate more effectively with designers on the constructible model by connecting Business Center - HCE directly to ProjectWise, so design information can be retrieved in the i-model. This integrated and managed workflow can enable more efficient bidding and estimating, faster project approvals, reduced change orders and shortened construction timelines.

"Accessing Bentley's 3D i-models gives users of Trimble construction solutions the ability to optimize design-construct processes, and strengthen collaboration between the engineer and the contractor to reduce project costs and schedules. Optimizing processes between engineered models and constructible models are key for construction project success," said Roz Buick, vice president and general manager of Trimble's Heavy Civil Construction Division. "Ultimately, this efficiency can result in significant savings for all stakeholders on the project, including owners."

"In 2012, Trimble and Bentley announced a strategic alliance to help engineers and contractors work smarter, collaborating together, through advanced information mobility. The ultimate goal was to further the connection and alignment between the virtual and physical environments for infrastructure and site projects, reducing project risk and increasing productivity. The newly announced integrated workflow moves us a step closer to that objective by facilitating information mobility between the design office, construction site and the field," said Harry Vitelli, vice president, construction and field, Bentley Systems.

The integrated workflow for road and site construction from Trimble and Bentley is expected to be available in the third quarter of 2014.

### About Bentley Systems

Bentley Systems is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for advancing the design, construction, and operations of infrastructure. Bentley users leverage information mobility across disciplines and throughout the infrastructure lifecycle to deliver better-performing projects and assets. Bentley solutions encompass *MicroStation* applications for *information modeling*, *ProjectWise* collaboration services to deliver *integrated projects*, and *AssetWise* operations services to achieve *intelligent infrastructure* - complemented by worldwide professional services and comprehensive managed services.

Founded in 1984, Bentley has more than 3,000 colleagues in over 50 countries, more than \$600 million in annual revenues, and since 2006 has invested more than \$1 billion in research, development, and acquisitions.

For more information, visit: [www.bentley.com](http://www.bentley.com).

#### About Trimble's Heavy Civil Construction Division

Trimble's Heavy Civil Construction Division is a leading innovator of productivity solutions for the heavy civil and site contractor that transform construction site and project processes. Trimble's solutions leverage a variety of technologies, including Global Positioning System (GPS), construction lasers, total stations, wireless data communications, the Internet and application software. As part of the Trimble Connected Site strategy, these solutions provide a high-level of process and workflow integration from the design phase through to the finished project—delivering significant improvements in productivity throughout the construction lifecycle.

For more information, visit: [construction.trimble.com](http://construction.trimble.com).

#### About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit: [www.trimble.com](http://www.trimble.com).

GTRMB

SOURCE Trimble

News Provided by Acquire Media