

BIM FOR INFRASTRUCTURE

It's Just Good Business

What is BIM?

Building Information Modeling (BIM) is a collaborative work method for structuring, managing, and using data and information about transportation assets throughout their lifecycle. Simply put, BIM for transportation infrastructure makes good business sense. Transportation infrastructure is important to our nation's well-being.

BIM for transportation infrastructure has been shown to improve project performance. Users report that using BIM benefits their businesses by increasing revenues and helping to conduct business more effectively. Data from the study of transportation infrastructure in the US, UK, France, and Germany has shown that BIM for transportation infrastructure presents positive results and value to those who use it.

International Reach

BIM for transportation infrastructure continues to be used globally to reduce costs and to improve project performance and staff effectiveness. "The social, environmental and economic benefits of digitalization are well recognized: Building Information Modeling (BIM) is digitalization for the construction sector. From a public stakeholder perspective, BIM can provide significant efficiency benefits to public works, to public value for money and be a driver for growth and competitiveness."

Steve Jones, Senior Director of Industry Insights Research,
Dodge Data & Analytics

BENEFITS OF USING BIM FOR INFRASTRUCTURE

- Improved staff effectiveness by having fewer errors and increased worker safety
- Improved project communications
- Greater ability to predict cost
- Improved schedule performance
- Optimized design

For more information, visit <https://www.construction.com/toolkit/reports/the-business-value-of-BIM-for-infrastructure-2017>



U.S. Department of Transportation
Federal Highway Administration

87%

of BIM users identify positive value from their use of BIM.



67% indicate a positive return on investment (ROI) from using BIM; half of those estimate an ROI of **25%** or more.



BIM implementation has more than doubled in all countries using it over the last two years.



Contractors are using BIM **13%** more than engineers on **50%** of their projects.

Illustrations by HDR

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Task Manager: Connie Yew, Team Leader
Federal Highway Administration
1200 New Jersey Avenue, S.E., Washington, DC 20590
202-366-1078, connie.yew@dot.gov