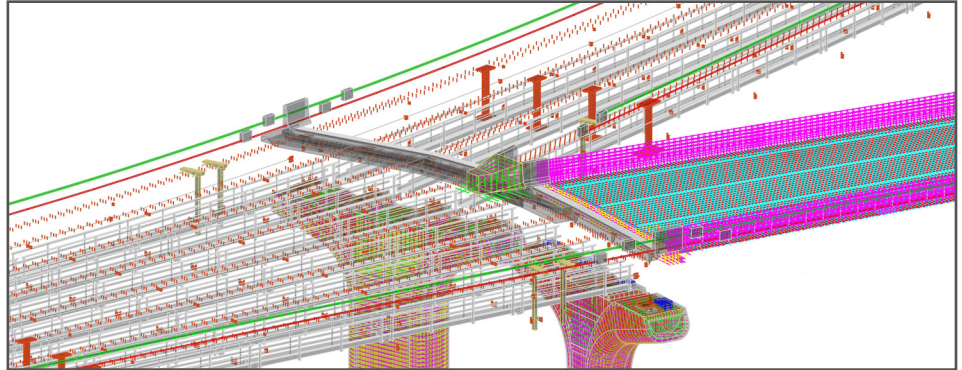


BIM FOR INFRASTRUCTURE

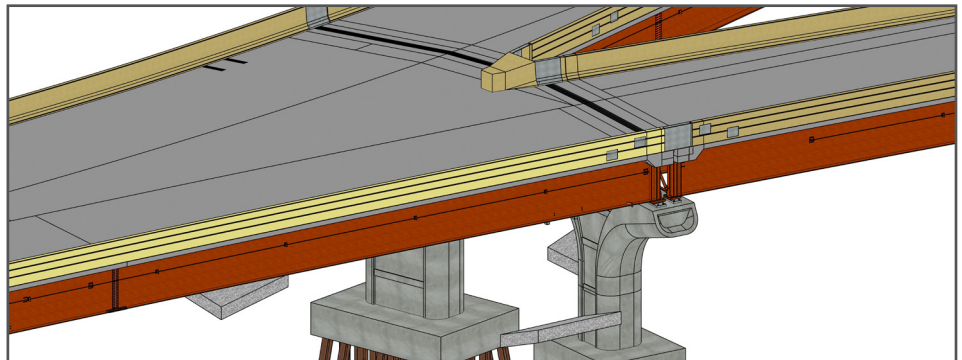
It's All About Making the Data Available to Everyone

Developing a virtual, 3D model which contains all of your project data

Every asset on your project contains a significant amount of data collected at every phase of the project. Some of the data are used for design, construction procurement, fabrication and installation, and other data are used during operations, maintenance, and asset management. Building Information Modeling (BIM) for infrastructure provides us with every element of our project, represented in virtual, 3D space. Every element contains its design, procurement, fabrication, installation, and asset management data all wrapped up in a convenient illustration that gives all stakeholders the ability to better understand the project.



3D BIM illustration of Iowa DOT 80/380 Ramp B Flyover



3D BIM illustration of Iowa DOT 80/380 Ramp B Flyover

Achieving true project collaboration around BIM

BIM for infrastructure supports the processes of associating and sharing data for all project assets. It makes sense for each discipline to share their work during production, allowing all contributors the ability to understand the project and develop work in concert with the entire team. BIM is about making data available to anyone who needs it when they need it.

Data management and exchange—Today and tomorrow

Since the day of punch cards that ended up in a pile on the floor or disks that ended up blank after an encounter with a magnet, we have welcomed technological advancements of data storage. The USB and external drives have taken the place of optical disks, but too often they are the carriers of malware and viruses. Now, agencies are torn between the costs of maintaining in-house data storage and trusting “the cloud.” The future of the transportation industry includes managing and sharing large amounts of project data. The systems employed to do this will need to be intelligent and capable of providing all stakeholders the correct data necessary to satisfy their needs at any point in the lifecycle of the project. These databases will need to allow users to access and share data at the same time across multiple disciplines.



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