

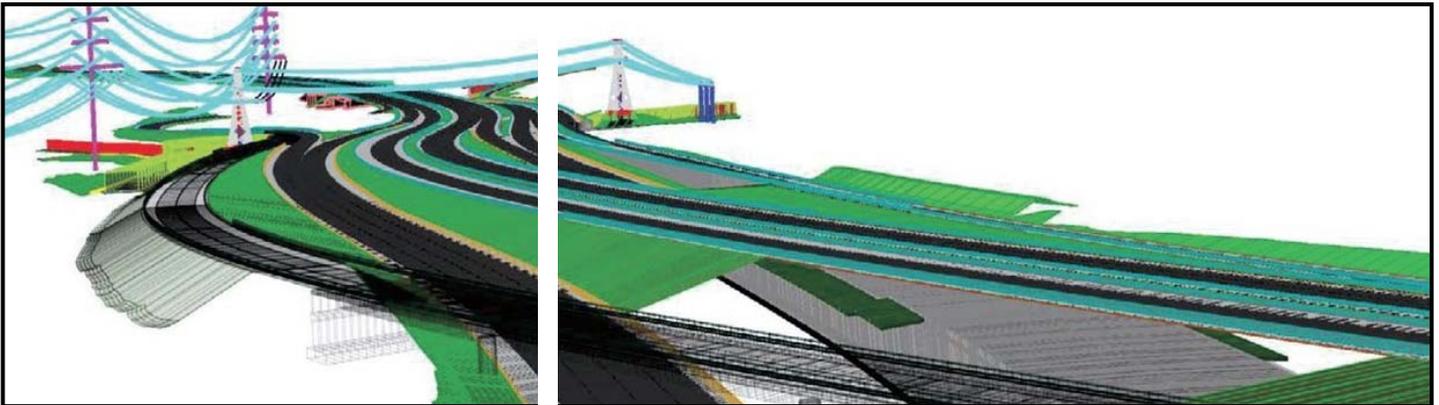


There are some places *only* Bentley can take you.

**URS Corporation**  
Stockholm Bypass, FSK06 Akalla-Häggvik Design Contract  
Stockholm, Sweden

The Stockholm Bypass is a new motorway link to the western reaches of Stockholm, Sweden. The URS/ÅF AB consortium was awarded the Akalla/Häggvik interchange contract by Trafikverket, which encompasses the north end of the 3-kilometer surface section of the bypass. It includes 27 road alignments over 22 kilometers with 11 bridges, complex water and drainage systems, and complicated electrical and ducting networks.

Several challenging 3D and BIM-related procedures were mandated on this SEK 28 billion project. URS used MicroStation, MXROAD, InRoads, PowerCivil for Sweden, and ProjectWise to create and manage intelligent multi-discipline 3D models. Each discipline published a fully referenced i-model that enabled clash detection across the entire project. Using 3D modeling, they hope to reduce drafting hours by 30 percent and the number of drawings needed by 90 percent.



**C3TS, P.A.**  
95 Express Project  
Miami, Florida

The Florida Department of Transportation's I-95 Managed Lanes Project awarded to the design-build-finance team of C3TS-MCM-FCC is a \$138 million project that will enhance mobility in Miami-Dade County, Fla. It commenced with a pilot project to convert existing high-occupancy vehicle lanes on I-95 into limited access managed lanes called the 95 Express.

The team leveraged MicroStation and GEOPAK to develop plans and design documents for all roadway and bridge elements, including lane transitions, pavement design, reconstruction of flyovers, widening of seven bridges, substructure modifications on high-occupancy vehicle connector ramps, and implementation of intelligent transportation system-related equipment.





There are some places *only* Bentley can take you.

Creighton Manning Engineering, LLP  
Fuller Road and Washington Avenue  
Bethlehem, New York

The USD 14.5 million reconstruction of the at-grade intersection of Fuller Road and Washington Avenue in Albany, N.Y., will decrease traffic congestion, improve pedestrian and bicycle access, and enhance safety. The project realigned Washington Avenue with a bridge over a two-lane roundabout on Fuller Road. The bridge consists of two 95-foot-long single-span structures.

Creighton Manning Engineering designed the entire project in 3D using MicroStation and InRoads for accurate dimensions, section details, and plan sets. The 3D model was used to produce visualizations for public information meetings as well as to provide 3D data to the contractor for stakeless and automated grading.



Airport Link, Northern Busway (Windsor to Kedron) and Airport Roundabout Upgrade  
Parsons Brinckerhoff and Arup JV  
Brisbane, Australia

This project encompasses two tunnels and a new airport connection: 6.7 kilometers of the mainly underground Airport Link toll road, the Windsor to Kedron section of the Northern Busway, and an upgraded interchange improving access to the Brisbane Airport precinct. Parsons Brinckerhoff and Arup teamed to form Parsons Brinckerhoff and Arup JV, which delivered the detailed design and carried out construction phase services for this AUD 5.6 billion project.

Bentley software was used for the design MicroStation, MXROAD, InRoads, AECOSim Building Designer, gINT, and ProjectWise, all of which proved critical to the integration of the geographically dispersed project team. Leading-edge on many levels, the Airport Link project delivered an economic and social legacy for the Brisbane community.

