



Industry: All Infrastructure markets
Product: LumenRT
Users: Alabama DOT, Washington State DOT
Country: USA

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Leading Project Delivery Teams Advance Reality Modeling for Roadway Designs through Simulation of Real Conditions

As Reality Modeling becomes more ubiquitous throughout the infrastructure market, leading organizations are seeking to further advance the presentation of their projects in a realistic digital environment in order to better inform the design process and speed buy-in from project stakeholders.

Bentley's LumenRT software enables project teams to enliven design models with rich, fully animated environmental elements such as plants, people, water, and weather and then generate attention-grabbing, cinematic quality images and videos with ease. With the ability to import models from all the leading modeling and GIS formats and the ability to share interactive immersive 3D presentations with any stakeholders, LumenRT makes it easy to communicate design intent in a clear and compelling way.

J.D. D'Arville of Alabama DOT's Design Bureau said, "LumenRT is a great visual assessment and communication tool that is very easy to use and creates realistic Live Cubes which can be used to sell, or generate "buy in" for ALDOT's projects."

Kurt Stiles, project manager of the Visual Engineering Resource Group at Washington State Department of Transportation, noted, "The ability to create LiveCubes™ for rapid production of animations and still images is the most important LumenRT feature for VERG. Historically, creating animations and images took considerable time to set up and render out animation fly-throughs. With LumenRT, creating engaging media is now just a few clicks away, a workflow advantage almost unheard of in civil infrastructure visualization work," he said.

As to the speed and quality of the immersive visualizations that can be developed with LumenRT, Mr. Stiles added, "In addition, the LumenRT content is very diverse, accommodating, and easy to integrate into the 3D model. The trees are so realistic and the 3D people add a lot of context to our civil visualizations."

Image links: <https://www.hightail.com/download/bXBZNHxT011Yk9HR3NUQw>

Captions: Alabama DOT, Washington State DOT