

**Blaine D. Leonard, PE, F.ASCE**  
**Transportation Technology Engineer**  
**Utah Department of Transportation**

Blaine Leonard is the Transportation Technology Engineer at the Utah Department of Transportation (UDOT). In this role, he leads the planning and deployment of connected and automated vehicles (CAVs) and related traffic management technologies. Under his visionary direction, UDOT is now a national and international leader for operational connected vehicle deployments. Blaine has been with UDOT since 2001, with roles in research, intelligent transportation systems, and advanced transportation technologies.

Prior to joining UDOT, he spent 20 years in the consulting engineering business, including as a partner in Van Boerum & Frank Associates and owner of Strata Consultants. He is active in, and has chaired various efforts in AASHTO, ASCE, the Cooperative Automated Transportation (CAT) Coalition, Intelligent Transportation Society of America (ITS America), Institute of Transportation Engineers (ITE), Society of Automotive Engineers (SAE), and other national groups with a focus on these technologies. Blaine served as the President of the American Society of Civil Engineers in 2010, after having filled many leadership roles within the Society at the local and national level. He has received the ASCE William Wisely American Civil Engineer Award, the AASHTO Alfred E Johnson Achievement Award, the ASCE Thomas A. Lenox Excellence in Civil Engineering Education (ExCEED) Leadership Award, the SAE Lloyd Withrow Distinguished Speaker Award, and has been named the Utah Engineer of the Year.

He has published several papers dealing with connected vehicle deployments in Utah and has given numerous presentations in six countries on transportation trends, connected and automated vehicles, the future of engineering, engineering education and engineering licensure. "I have known Blaine for more than 30 years and consider him to be one of the finest examples of what a civil engineer represents," said UDOT Executive Director Carlos Braceras. "He does what he does to save lives and make the quality of people's lives better. I consider Blaine to be our lead on implementing the connected and autonomous transportation of the future, but I think that UDOT is only sharing him with the world. Blaine's work is benefiting people around the world and I am proud to say that I play a small part in supporting him in his groundbreaking work."

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