



January Member Meeting Presentation

Speaker: **Jeff Christiansen**, Principal and Visualization Manager at WSB

Jeff has 25 years of experience with 3D visualization projects, including over 450 miles of roadway corridors (five-level interchanges, bridge aesthetics, light rail, and complex roundabouts) and numerous parcels (gas stations, restaurants, car dealerships, and grocery stores) throughout Texas, Minnesota, and Oklahoma. He is an experienced visualization expert in the development and final production of frame-by-frame and AR/VR/MR-based visualizations for municipal, state, and federal projects. His ability to understand complex engineering schematics from transportation, architecture, land development, and manufacturing industries affords him a unique perspective to educate stakeholders through 3D visualizations.

Jeff will be talking about the following ROW-centric concepts;

Visualization, and what it has evolved into today – Passive versus Active

Real-time visualization – What is it and how it will change the real-time industry.

Augmented Reality (AR) – What is it, and how on earth can Right of Way agents use it?

Mixed Reality (MR) – How is MR changing the way we review complex schematics.

The basis for my technological discussion will be to review 3D visualizations in various forms including passive animations (passive movies), real-time visualizations (individually driven, active movies), Parcel Imagery (Expert Witness usage), Augmented Reality (AR), and Mixed Reality (MR). How these disparate deliverables are created, how they work, what equipment is needed to view/facilitate the final deliverable, but more importantly, how the different visualization capabilities will benefit the Right of Way industry. Along with industry-specific examples of each, both advantages and disadvantages will be explained in detail.

If after the discussion, there are questions, I can be reached at jchristiansen@wsbeng.com or 214-789-0538. For those on LinkedIn, I am always happy to connect.