

Visualization

TH 60 Lake Connection, MnDOT District 7



Real People. Real Solutions.

Bolton & Menk recently completed the plans and specifications for this \$21 million project that involved three counties and three different communities. The project included a full reconstruction with storm sewer improvements in the City of Madison Lake. It was this Madison Lake downtown reconstruction portion of the project that Bolton & Menk was asked to develop a fly-through animation to highlight the changes that would occur along the corridor. A 3D model of this seven-block portion of the project was developed from CAD linework, motion tracked with a drone flight of the area and composited with the video clip of the flight. Vehicle and pedestrian traffic were also added along with callouts of new features along the corridor.

Bolton & Menk's responsibilities included:

- 3D modeling
- Shading/lighting of the model
- Motion tracking of drone footage
- Rotoscoping
- Character, vehicle, and camera animation
- Animation and video rendering
- Video post-production editing
- Audio Mixing
- Distribution

View the fly-through animation here: <https://youtu.be/OT5HlxsqIKU>

Key Personnel:

- Nathan Arnold—Digital Animation Specialist
- Dave Breiter—Director of Visual Communications