

Visualization

CSAH 61/TH 41 Improvements, Carver County, Minnesota



Real People. Real Solutions.

The City of Chaska's vision is to revitalize downtown as the hub of community destinations and gathering places that reflect and celebrate its historic character, traditional small-town atmosphere, and values. Carver County and MnDOT both had improvement projects planned on TH 41 and CSAH 61 in downtown Chaska. To plan for these upcoming construction projects, the City of Chaska, Carver County, and MnDOT joined with Bolton & Menk to identify a future downtown transportation vision that could be supported by all agencies.

To support this downtown transportation vision, Bolton & Menk developed photo simulations using a 3D model that was developed of the potential corridor improvements. Various areas along the corridor were modeled and composited with aerial and ground photography to show what the potential improvements along the corridor could look like. 3D models of vehicles and pedestrians were incorporated to give viewers a sense of the vehicle and pedestrian experience along the new and improved corridor. Photo simulations were truly helpful in telling the story of how improvements could be made in what is a constrained right-of-way.

Bolton & Menk's responsibilities included:

- 3D modeling
- Shading/lighting of the model
- Ground and aerial photo compositing
- Photoshop manipulation of the composited images

View the Visualization Project Video Here: <https://www.youtube.com/watch?v=R00aUiEtTCU>

Key Personnel:

- Dave Breiter—Dave led the drone flight and fly-through corridor animation showing the proposed three-lane facility, pedestrian crossing enhancements, and underpass. This animation was critical in gathering public and elected official support for the project recommendation.