



NORTH CENTRAL SECTION

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SIMULATION AND CAPACITY COMMITTEE

Meeting Summary

February 2023 Committee Meeting
Wednesday, February 22, 2023
3:00-4:30 PM Meeting
Virtual (Teams)

Attendees

- Kelsey Retherford – Bolton & Menk (Chair)
- Sharijad Hasan- UGPTI (Co-Chair)
- Austin Lovaas – KLJ
- Chris Loyd – Bolton & Menk
- Bryan Nemeth- Bolton and Menk
- Brandon Eason- MnDOT
- John Fahrendorf- MnDOT
- Muhammad Faisal- UGPTI
- Haifeng Xiao- HTFE
- Navin Mallipaddi- HR Green
- Michael Kondziolka- Alliant Engineering
- Kevin Schwartz- MnDOT
- Austin Lovaas- KLJ
- Sudheer Dhulipala- ATG
- Mark Powers- KLJ

Presentation and Q & A

- Bryan Nemeth from Bolton & Menk presented updates to the 7th edition of the Highway Capacity Manual that is coming out this year. There is a possibility of getting a digital version of this edition.
- The presenter discussed various new features of HCM, including pedestrian LOS estimation criteria at the uncontrolled crossing, capacity impact guideline for the Connected and Autonomous Vehicle (CAV), updated two-lane highway method, and Network Methodology for arterials and freeways.
- Also, more simplified methods for using big data will be available in the future HCM edition.
- While answering a question on computational engines, Bryan mentioned 'STREETVAL' as a commonly used macroscopic urban street analysis computational engine for arterial capacity and work zone impact assessment analysis.

Round Robin

- **Next Meeting:** April 2023 – If you would like to present at the upcoming meeting or a meeting in 2023, please reach out to Kelsey Retherford at Kelsey.Retherford@bolton-menk.com