



NORTH CENTRAL SECTION

INSTITUTE OF TRANSPORTATION ENGINEERS

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SIMULATION AND CAPACITY COMMITTEE

Meeting Summary

June 2023 Committee Meeting

Wednesday, June 21, 2023

3:30-4:30 PM Meeting

Hybrid (In Person in Minneapolis and Virtual on Microsoft Teams)

Attendees

- Kelsey Larsen - Bolton & Menk (Chair)
- Sharijad Hasan- UGPTI (Co-Chair)
- Kevin Mackey - Bolton & Menk
- Adam Capets - Stantec
- Mark Powers - KLJ
- Joe DeVore - KLJ
- Chris Loyd - Bolton & Menk
- Emma Myers-Verhage – KLJ
- Yasir Mahmood – NDSU Student
- Naveen Mallipaddi – HR Green
- Tom Sachi - SRF
- Collin Schroeder - SRF

Presentation and Q & A

- Joe DeVore from KLJ presented on the Lyndale Avenue 4 to 3 lane Conversion Pilot Project in Minneapolis, MN.
- Joe discussed data collection, Covid-19 and construction considerations, crash history, engagement, (people wanted a better place to walk/roll, slow down traffic, concerns with maintaining parking), the traffic modeling completed, and study findings.
- Metrics analyzed:
 - Pedestrian crossing compliance (driver yield):
 - Before: 5-8 vehicles not stopping
 - After: 0.5-2 vehicles not stopping
 - Increase in pedestrians crossing by 86% at three intersections
 - Crash data (8 months): 57% decrease in total crashes
 - Speed changes (85th percentile speeds):
 - Before: 35-39 MPH
 - After: 25-29 MPH
 - Travel time: increase in travel time resulted in added delay at each signal of 8-14 seconds



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- While answering a question on pre-pilot ADT, Joe discussed the potential of a 3-lane conversion on a road section with an ADT of 24,000- 26,000.
 - There was another question about the calibration of the urban corridor. Joe indicated that the default saturation flow of VISSIM has a conservative estimate applicable for this project.
 - Joe mentioned that there were no specific guidelines or criteria set for the project to determine if the pilot project was a success. Rather the project team considered all metrics at the end of the study to analyze the success of the project.
- **Next Meeting:** August 2023 – If you would like to present at the upcoming meeting or a meeting in 2023, please reach out to Kelsey Larsen at Kelsey.Larsen@bolton-menk.com