



NORTH CENTRAL SECTION

INSTITUTE OF TRANSPORTATION ENGINEERS

2022 Executive Board

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Section Meeting Minutes

Wednesday, January 19, 2022

2:00pm – 3:00pm

Teams Meeting

1. Section Meeting Advertisers:
2. Call Meeting to order
 - a. Natalie Sager, NCITE President, called the meeting to order at 2:01 p.m.
3. Question of the Day
 - a. Natalie S. asked attendees to answer the question of the day in 5-minute small group discussions, which was: When it's a super cold and winter day, what indoor activities do you enjoy?
4. Announcements
 - a. Natalie S. provided the following announcements on behalf of NCITE:
 - i. Ethics Training Joint with WTS on February 16th – we'll be sending out a save the date this week.
 - ii. Overview of the year: Monthly section meetings planned for March, April, May (membership drive), Summer Social, Section Meetings in September and October, Annual Meeting.
 - iii. Upcoming topics: Twin Ports Interchange, NW Metro Mississippi River Crossing Study, May = Membership Drive.
 - iv. If you would like to present at a future section meeting or have presentation ideas, summer social ideas, annual meeting ideas, or STEM/student outreach ideas please reach out to us.
 - b. Natalie S. provided the following Committee updates:
 - i. The Emerging Technologies Committee will be Meeting on Jan 25th to discuss Smart Work Zones.
 - ii. The Complete Streets and Safety Committee will be hosting a brainstorming meeting on Feb 2nd.
 - iii. We have a few open positions for committees (Geometric Design and possibly ITC). If anyone is interested reach out to myself or our VP, Jeremy Melquist.
 - c. Natalie S. provided the following GLITE Updates:
 - i. A save the date was recently sent out for the district meeting this summer in Duluth. The meeting will be from June 20-22. Mark your calendars!
 - ii. A call for abstracts for the district meeting is coming soon. If you have a topic that would be worth sharing, please consider submitting.
 - iii. The ITE Annual meeting will be in New Orleans from July 31st to August 3rd
 - iv. The award nomination process is open for 2022 ITE and District awards. Most awards are due by March 1st. Awards include the Transportation Achievement Award, Rising Star, Distinguished Member, and Transportation Professional of the year. More information can be found on the Great Lakes ITE website. Please reach out if you would like assistance from the board, we are happy to support your nominations.
5. Introduction of Speakers
 - a. KC Atkins, NCITE Director, introduced Doug Carter (MnDOT State Geometric Engineer) and Jamal Love (MnDOT Geometric Design) to



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speaking about MnDOT's roundabout guidance recently published in Chapter 6 of the FDG.

6. Presentation

a. Roundabout Capacity:

- i. Less multi-lane roundabouts now because switched from 20 years to shorter term (10-year design). Have reduced capacity at some multi-lane roundabouts due to operational and safety issues
- ii. Multi-lane roundabouts handled different due to the drastic increase in crashes at multilane. Trying to reduce the number of lanes in roundabout as much as possible.
- iii. Threshold used to be 1,000 conflicting vehicles for to go to a multi-lane roundabout, but now is 1,400. Discussed in the Facility Design Guide (FDG), with updated gap acceptance and headways.
- iv. Issue with LOS table of signalized and unsignalized – what's the right amount of delay?
 1. Rolling queue vs standing queue
 2. No national research, but ~70 seconds of delay at roundabout seems tolerable

b. Mini-roundabouts:

- i. Focus less on the name of mini vs single-lane roundabout
- ii. Apply features of roundabout that fit the context of each approach

7. Questions

a. Questions were asked of Doug and Jamal, with responses being:

- i. There is no law in Minneapolis that prevents cars from circulating beside a truck like there is in Wisconsin.
- ii. Don't recommend adding a right-turn from a bypass lane without channelization and separation of movement.
- iii. Don't recommend shifting the roundabout for construction staging because that can impact the long-term performance.
- iv. Typically recommend avoiding RRFB's at roundabouts, but MnDOT's pedestrian and bicycle group typically has more influence on this.

8. Adjourn

- a. KC A. thanked the speakers and adjourned the meeting at 3:05 p.m.

Respectfully submitted,

Philip Kulis
2022 Secretary
February 1, 2022



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Section Meeting Minutes

Wednesday, February 16, 2022

10:00 a.m. – 12:00 p.m.

Zoom Meeting

1. Allie Futhey of WTS Minnesota called meeting to order at 10:00 a.m. This meeting was a joint meeting with WTS-MN and NCITE for ethics training.
2. 146 attendees from WTS-MN and NCITE
3. Allie introduced James Johnson, PE to lead the ethics discussion and training.
 - a. Jim is a Senior Consultant with Verdantas. His career has spanned over 40 years in both the public and private sectors. While in the public sector, Jim served as the Chief Engineer for the Delaware Department of Transportation and was the Executive Director for the Delaware River & Bay Authority, a bi-state transportation agency. He conducts lectures on ethics for engineering students at the University level, State Department of Transportation's and for Professional Engineers licensed in mid-Atlantic region. Jim is a registered Professional Engineer in Delaware and Maryland. He was recognized as Delaware's Engineer of the Year in 2004. Jim received a BSCE from Virginia Tech and a MS in Strategic Leadership from Neumann University.
4. Jim led the training related to ethics and ethical situations that might occur while working in engineering and planning. This included an interactive component where attendees were asked how they would respond in certain situations.
5. This training qualified for 2 PDHs for the PE license and 2 CMs for the AICP.

Respectfully submitted,

Philip Kulis
2022 Secretary
March 1, 2022



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Section Meeting Minutes

Wednesday, March 16, 2022

11:00 a.m. – 12:30 p.m.

Zoom Meeting

1. Econolite sponsored the meeting.
2. Natalie S. called meeting to order at 11:04 a.m.
3. Natalie S. reviewed NCITE updates:
 - a. NCITE Updates:
 - i. Ethics Training Joint with WTS was held on February 16th.
 - ii. Upcoming topics: NW Metro Mississippi River Crossing Study, May = Membership Drive.
 - iii. We're currently planning on hosting the rest of our meetings in-person, with webinar options.
 - iv. If you would like to present at a future section meeting or have presentation ideas, summer social ideas, annual meeting ideas, or STEM/student outreach ideas please reach out to us.
 - v. We've recently increased our scholarship awards to \$1,000 each (4 total). We've also increased our Leadership ITE stipend to up to \$750 a person per year.
 - vi. Nick Grage recently sent out our Advertising memo. Advertising packages are available for purchase until April 1st.
 - b. Committee Updates:
 - i. The Younger Member Committee recently held a snowtubing event a Buck Hill on March 3rd.
 - ii. The Complete Streets and Safety Committee will be hosting a virtual meeting on pedestrian and bicycle infrastructure on the West coast on March 24th.
 - iii. We have a few open positions for committees (Geometric Design Chair/Co-Chair and ITC Co-Chair). If anyone is interested reach out to myself or our VP, Jeremy Melquist.
 - c. GLITE and ITE Updates:
 - i. Registration will be opening soon for the district meeting this summer in Duluth. The meeting will be from June 20-22.
 - ii. The ITE Annual meeting will be in New Orleans from July 31st to August 3rd
 - iii. Visit ITE's website for other upcoming webinars and technical resources
4. Justin S. introduced Brett Burfeind, PE and Nicole Wilson, PE to discuss the Twin Ports Interchange (TPI) Construction Staging and MOT in Duluth.
 - a. The \$343 million, multi-year TPI Reconstruction Project reconstructs the I-35/I-535/US 53 interchange and the I-535/Garfield Avenue interchange in Duluth, MN. The project includes improvements to address and correct freight and safety issues caused by structural and geometric deficiencies. The project is being delivered via the Construction Manager/General Contractor (CMGC) alternative delivery method and leverages multiple Work Packages, allowing portions of construction to commence prior to all project design being completed



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Brett and Nicole discussed the construction staging alternative analysis process and associated tools developed by the project team to identify the preferred staging alternative. They also presented on the final construction staging approach currently being implemented in the field, highlighting the design, traffic, and construction challenges faced by the project team, along with their associated design solutions. Lastly, they provided an overview of the CMGC alternative delivery method.

5. 49 attendees

Respectfully submitted,

Philip Kulis
2022 Secretary
March 28, 2022