

MINUTES

February 2018 Section Meeting
 Tuesday, February 20th, 2018: 8:00am-10:00am
 Location: Jax Café – Minneapolis
 Advertiser: Traffic Control Corporation

1. Call Meeting to Order

Scott Poska, NCITE President, called the meeting to order at 9:02am. A buffet-style breakfast proceeded the meeting.

2. Introductions

All attendees introduced themselves, stated their employer and NCITE involvement, and answered the question “Which Olympic sport would you like to try?”. Forty-three people were in attendance. Responses to the question were as follows:

- | | |
|---------------------|--------------------|
| Luge (6) | Speed Skating (3) |
| Snowboarding (6) | Curling (2) |
| Skeleton (5) | Commentary (1) |
| Ski Jumping (4) | Figure Skating (1) |
| Biathlon (3) | Ice Dancing (1) |
| Bobsled (3) | None (1) |
| Downhill Skiing (3) | |

3. Announcements

Scott made the following announcements:

- NCITE and WTS will be hosting ethics training on March 15th, 2018 at WSB.
- The 2018 MWITE and ITE award applications are due on March 1st, 2018.

4. Presentation

Scott introduced Tyler Krage, NCITE Director. Tyler introduced Derek Leuer of MnDOT to present on safety performance of roundabouts (and other intersections) in Minnesota. The presentation is attached to these minutes. Highlights of the presentation included:

- Conversion to Single Lane Roundabouts:
 - 27% reduction in total crashes
 - 89% reduction in fatal crashes
 - 83% reduction in serious injury crashes
 - 68% reduction in right angle crashes
 - 83% reduction in left turn into traffic crashes
 - 51% reduction in multi-vehicle crashes
- Conversion to Unbalanced Roundabouts:
 - 44% increase in total crashes
 - No fatal crashes reported during study period
 - 78% reduction in serious injury crashes
 - 25% reduction in right angle crashes
 - 83% reduction in left turn into traffic crashes



NORTH CENTRAL SECTION

INSTITUTE OF TRANSPORTATION ENGINEERS

- 22% increase in multi-vehicle crashes
- Conversion to Dual Lane Roundabouts:
 - 146% increase in total crashes
 - No fatal crashes reported during study period
 - 100% reduction in serious injury crashes
 - 133% increase in right angle crashes
 - 25% reduction in left turn into traffic crashes
 - 148% increase in multi-vehicle crashes
- Conversion to Roundabouts (average across all types):
 - 16% increase in total crashes
 - 87% reduction in fatal crashes
 - 83% reduction in serious injury crashes
 - 39% reduction in right angle crashes
 - 71% reduction in left turn into traffic crashes
 - 5% reduction in multi-vehicle crashes
- Roundabout Capacity for Events:
 - Roundabout traffic recorded and analyzed for WE Fest country music festival. In summary:
 - Roundabouts acceptably accommodated volumes 60% higher than typical weekday volumes
 - Event traffic remained below NCHRP Report 672 thresholds for single lane roundabouts
 - Queues generally dissipated quickly with no sustained congestion
 - From the back of the maximum queue the time to enter the intersection was comparable or less than the expected wait time at a signal with a 120-second cycle length
- Reduced Conflict Intersections:
 - Significant reduction in fatal and serious injury crashes
 - Significant reduction in right angle crashes
 - Significant reduction in crash severity
 - Insignificant increase in other crash types
- Towards Zero Deaths
 - 358 fatalities in Minnesota in 2017 (lowest number in 74 years)
 - Rest of the county is up 10%

5. Adjourn

Tyler thanked the speaker and adjourned the meeting at 10:14am.

Respectfully submitted,

A handwritten signature in blue ink that reads "Jacob Folkeringa". The signature is fluid and cursive, written in a professional style.

Jacob Folkeringa
2018 Secretary

March 8, 2018