

In the interest of safety, the Northland Chapter of ATSSA made a tough call to cancel the **2021 ATSSA How To Conference**. This mainstay conference started in 1991. It serves as the premier regional event to hand off roadway safety information, a platform to share design and maintenance best practices, a setting to see the new market materials and most importantly, as a place to network. Cancelling this event for the second year in a row was a difficult call.

Recognizing that learning and safety efforts must continue, the Northland Chapter has elected to deliver a mini event via the virtual platform. Please join us March 17-18 as we share a few key learning sessions and roadway safety messages. The sessions will be offered free to everyone in our Northland Chapter region of Minnesota, South Dakota and North Dakota. The virtual 'How To' Briefings are sponsored by the Northland Chapter of ATSSA and the North Dakota Local Technical Assistance Program (NDLTAP). Sessions will be recorded and posted. Watch for event links and details soon to be released.



## Northland Chapter of ATSSA's Safety Spotlight

*(a 'HOW TO Conference' mini session)*

- **This event is brought to you by** the North Dakota Local Technical Assistance Program (NDLTAP), the SRF Consulting Group, and the Northland Chapter of ATSSA; advocates for transportation safety.
- **Sessions will be recorded** and posted online at [www.ndltap.org](http://www.ndltap.org).
- **No registration is required.** Use the event links below. Each day will have its own unique event link. Attend one or both days.
- **Please share** the invitation.
- The **target audience:** everyone that works on roadway design, construction or maintenance. County, city, and DOT team members, contractors and suppliers will all benefit from this information hand-off.

# March 17-18, 2021 – Virtual Event

Day 1, Wednesday, March 17, 2021, 9 AM to 11 AM CT

Moderators: Jon Jackels, SRF, and Dale Heglund, NDLTAP

**Event Link Day 1:** [https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDQ0Y2lwOGEtMGQ3Zi00MWZiLTg0ZjltMTBjNzM4YTY0ZTYw%40thread.v2/0?context=%7b%22Tid%22%3a%22ec37a091-b9a6-47e5-98d0-903d4a419203%22%2c%22Oid%22%3a%22b8405b21-56d8-4351-914f-1f49072cb2a0%22%2c%22IsBroadcastMeeting%22%3a%7d)

[join/19%3ameeting\\_NDQ0Y2lwOGEtMGQ3Zi00MWZiLTg0ZjltMTBjNzM4YTY0ZTYw%40thread.v2/0?context=%7b%22Tid%22%3a%22ec37a091-b9a6-47e5-98d0-903d4a419203%22%2c%22Oid%22%3a%22b8405b21-56d8-4351-914f-1f49072cb2a0%22%2c%22IsBroadcastMeeting%22%3a%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDQ0Y2lwOGEtMGQ3Zi00MWZiLTg0ZjltMTBjNzM4YTY0ZTYw%40thread.v2/0?context=%7b%22Tid%22%3a%22ec37a091-b9a6-47e5-98d0-903d4a419203%22%2c%22Oid%22%3a%22b8405b21-56d8-4351-914f-1f49072cb2a0%22%2c%22IsBroadcastMeeting%22%3a%7d)

## *Intro and 'How To Conference' History*

Welcome remarks by the Northland Chapter along with a historical review of the Conference and invitation to join us face to face March 14-16, 2022 in Fargo.

**Presenter: Chris Rathjen, Newman Signs and Northland Chapter of ATSSA President**

## *Compliant Sign Supports – MASH -16 or 350?*

For this session you will be introduced to MASH-16 requirements for small sign supports and where are these standards required to be implemented in your state. Various MASH-16 compliant supports will be introduced for each state. The advantages and disadvantages of changing your signs to MASH-16 supports will be included in this discussion. Local agency and DOT requirements may vary. Local agencies may fall under 350 rules. This session will also review the 350 standards.

Questions that this session should answer include:

- What is MASH\_16 and who has to follow these standards?
- What are MASH compliant sign supports?
- Are there advantages to changing to MASH compliant sign supports?
- What are the 350 standards and who has to follow them?
- Crash testing requirements
- Where are we headed? Crystal ball look into the future.

## **Presenters:**

Minnesota - Victor Lund, PE, Traffic Engineer, St. Louis County, MN

North Dakota - James Rath, PE and Bryon Fuchs, PE, NDDOT

South Dakota - Christina Bennett, PE, Operations Traffic Engineer, SDDOT

# Day 2, Thursday, March 18, 2021, 9 AM to 11 AM CT

Moderators: Jon Jackels, SRF, and Dale Heglund, NDLTAP

**Event Link Day 2:** [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_Y2Q4YTRkMWUtNWY1MC00NTBjLWFmMzQtYzE5YzYyM2JmMjQ0%40thread.v2/0?context=%7b%22Tid%22%3a%22ec37a091-b9a6-47e5-98d0-903d4a419203%22%2c%22Oid%22%3a%22b8405b21-56d8-4351-914f-1f49072cb2a0%22%2c%22IsBroadcastMeeting%22%3a%22true%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_Y2Q4YTRkMWUtNWY1MC00NTBjLWFmMzQtYzE5YzYyM2JmMjQ0%40thread.v2/0?context=%7b%22Tid%22%3a%22ec37a091-b9a6-47e5-98d0-903d4a419203%22%2c%22Oid%22%3a%22b8405b21-56d8-4351-914f-1f49072cb2a0%22%2c%22IsBroadcastMeeting%22%3a%22true%7d)

## *How to Address Work Zone TTC and Safety Standards Violations*

Agency maintenance forces are in the best position to be the “eyes and ears” when it comes to identifying situations, that when addressed, could greatly improve safety for the traveling public. As a representative of your agency you have the responsibility to inform your manager of non-compliant temporary traffic controls within your jurisdiction. This session will present tools and effective methods on how to address these situations.

### **Presenters:**

**Jon Jackels, SRF Consulting Group**  
**Tim Parkos, Washington County, MN**

## *Pavement Markings*

Transportation agencies address the selection, application, and maintenance of pavement marking in a variety of ways. This session will:

- Review the importance of pavement markings,
- Provide information on when pavement markings are required,
- Describe multiple types of pavement marking materials and explore how different agencies use different materials in different locations including:
  - Wet reflective markings
  - Special markings for bike lanes, transit lanes
  - Expected pavement marking life
- The importance of pavement marking inspection.

### **Presenters:**

**Ethan Peterson, MnDOT**  
**Mitch Bartelt, Washington County, MN**

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**\*\*Bonus Info- Link to MnDOT's Permanent Sign Design & Installation\*\***

**Changes to Signing Plans (MASH-16)**, Steve McBurney, MnDOT

Tuesday, Nov. 19, 2019, 2:00 p.m. - 3:00 p.m presentation, [Announcement](#) (PDF)

View the recorded webinar: [https://www.youtube.com/watch?v=4b1R6q\\_zKc](https://www.youtube.com/watch?v=4b1R6q_zKc)

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Mark your calendar and plan to attend the **2022 HOW TO Conference**.

After a 2-year COVID-19 shut down, it is expected to be back, and better than ever.

Join us March 14-16, 2022, when we get back to the traditional conference with classes, exhibitors, and networking.

**ATSSA**  
Northland How To Training & Education Workshop 2022  
MARCH 14-16, 2022



Delta Hotels by Marriott™ Fargo  
1635 42nd Street South  
Fargo, North Dakota

**See you in Fargo next year!**



#### **Vision**

Continue to be the vehicle/venue for further developing and supporting communication and education to move the tri-state region (Minnesota, North Dakota and South Dakota) toward zero deaths.

# ATSSA Northland Chapter's Virtual Safety Spotlight

*(a 'How To' Conference mini session)*

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## Event sponsors:

### **North Dakota Local Technical Assistance Program (NDLTAP), [www.ndltap.org](http://www.ndltap.org).**

Contact, Dale C. Heglund, PE/PLS, NDLTAP Program Director at 701-318-6893 or [dale.heglund@ndsu.edu](mailto:dale.heglund@ndsu.edu). LTAP centers in Minnesota, North Dakota and South Dakota provide exceptional local technical outreach. Centers encourage and enhance the exchange of highway transportation related technology and information. Local units of government utilize the centers as a source for technical assistance and information, educational resources, and work force development.

Save a Sign, Save a Life.



**Northland Chapter of ATSSA, [www.northlandatssa.com](http://www.northlandatssa.com).** Contact Chris Rathjen, Chapter President, 701-320-8922, [CRathjen@newmansigns.com](mailto:CRathjen@newmansigns.com). The Chapter's mission is to be the leading voice in traffic safety.

Safe Roads Save Lives!



**SRF Consulting Group, [www.srfconsulting.com](http://www.srfconsulting.com).** Contact Jon Jackels, PE, PTOE, ITS Division, 612-760-3542 or [JJackels@srfconsulting.com](mailto:JJackels@srfconsulting.com). Jon has been actively involved in local, regional, and national associations, including the Minnesota County Engineering Association's Traffic Safety Committee, the American Traffic Safety Services Association, the Institute of Traffic Engineers, and the FHWA's ENTERPRISE Pooled Fund Study.

See Something, Say Something.



????What's your safety tagline????

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## Speaker Info:



**Chris** has worked at Newman Signs, Inc. for 23 years as an administrative manager. She has a BS degree from Minot State with a major in accounting and business. Chris serves as a NDLTAP signing subject matter expert and helps teach the Signing 201 class. Chris is the current Northland Chapter of ATSSA President.

**Chris Rathjen, Administrative Manager**

Newman Signs Inc

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**Jon** is a graduate of the University of Minnesota with a Bachelor of Science in Civil Engineering. He is a registered Professional Engineer in the State of Minnesota and a Professional Traffic Operations Engineer. Jon retired from MnDOT in January 2014 after over 39 years of State Service and is currently a Senior Associate in the ITS section of SRF Consulting in Minneapolis, Minnesota. In his new role at SRF Jon is involved in developing and deploying innovative technologies to address mobility and safety issues on our streets and highways.

**Jon Jackels, PE (MN) PTOE, Senior Associate, ATS Group**

SRF Consulting Group

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763-249-6722 | [jjackels@srfconsulting.com](mailto:jjackels@srfconsulting.com)



**Tim** celebrates 30 years with Washington County this year. Tim has worked in several departments throughout his tenure but is most passionate about the work he has been doing over the past 6 years with ROW compliance and Work Zone Safety. Tim is responsible to ensure that all ROW permit holders adhere to the conditions set forth in the permit process. In addition to ensuring ROW restoration, Tim conducts hundreds of on-site inspections annually to ensure temporary traffic control requirements/plans are executed properly. Tim chairs the Washington County TZD coalition and utilizes this platform to enhance Work Zone Safety. Tim attended Inver Hills CC and Winona State University, Metro State University, MNDOT Traffic Control Supervisor certification.

**Tim Parkos, Senior Engineer Tech**

Washington County, MN

11660 Myeron Rd N, Stillwater, MN 55082

Cell 651-491-2530 - [Tim.Parkos@co.washington.mn.us](mailto:Tim.Parkos@co.washington.mn.us)



**Vic** has more than 13 years of experience as the traffic engineer for St. Louis County, Minnesota. He received his Bachelor of Science Degree from Michigan Technological University in Civil Engineering, and his Master of Science Degree from Iowa State University in Civil Engineering with an emphasis in Transportation Engineering. His background includes rural and urban highway safety, intersection design, intelligent transportation systems, and transportation research. He has served as the chair of the Minnesota County Engineers Association Highway Safety Committee, and is an active participant in the Minnesota Toward Zero Deaths partnership.

**Victor Lund, PE, Traffic Engineer**

St. Louis County, MN

Direct: 218-625-3873

Main: 218-625-3830 - [lundv@stlouiscountymn.gov](mailto:lundv@stlouiscountymn.gov)



**James** grew up in a rural area north of Grand Forks. He graduated from UND in 1993 with a BSCE. James worked in the consulting industry prior to coming to the NDDOT in 1998. James has been in Design Division since he started in 1998 and has been a Program Manager since 2007. James oversees Roadway Design and Traffic Safety teams.

**James Rath, PE, Design Division**

North Dakota Department of Transportation

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**Bryon** is the Assistance Local Government Engineer for the NDDOT. He graduated from NDSU and is a registered professional engineer. Bryon previously worked for a consultant for three years and has worked for the NDDOT for 19 years in Materials and Research and Local Government.

**Bryon Fuchs, PE, Assistant Local Government Engineer**

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**Christina** received a Bachelor's and a Master's degree in Civil Engineering from South Dakota State University. She is a registered Professional Engineer in the state of South Dakota. Christina began working for the South Dakota Department of Transportation in January of 2008. She has held positions of Traffic Design Engineer and Grading Design Engineer. She has been in her current position as the Operations Traffic Engineer since 2013. Christina is involved with the AASHTO Committee on Traffic Engineering where she is chair of the PROWAG Subcommittee. She is a member of the Temporary Traffic Control Technical Committee for the National Committee on Uniform Traffic Control Devices, and serves on the ATSSA Northland Chapter Board.

**Christina Bennett, PE, Operations Traffic Engineer**  
South Dakota Department of Transportation  
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605-280-9665 (work cell) - [Christina.Bennett@state.sd.us](mailto:Christina.Bennett@state.sd.us)



**Mitch** is currently the Assistant Traffic Engineer in Washington County (MN), and has been in the role for the past 2+ years. He is a graduate of Michigan State University with both Bachelor and Master of Science degrees in Civil Engineering. He has 12+ years of prior experience with MnDOT and the City of Saint Paul, and worked for the Michigan DOT and Parsons Brinckerhoff for a total of four years while he lived in Michigan. He is a registered Professional Engineer in Minnesota. Mitch has a lot of experience in traffic engineering, State Aid, and research, working extensively with both state and local agencies in Minnesota. He served as pavement marking engineer for MnDOT for five years earlier in his career.

**Mitch Bartelt, PE | Assistant Traffic Engineer**  
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**Ethan** started with MnDOT in 2016 as the State Pavement Marking & Crashworthy Engineer. He obtained his Bachelor of Civil Engineering from the University of Minnesota – Twin Cities. Before MnDOT, he worked in the private sector for almost 5 years preparing Traffic Impact Studies, Traffic Demand Management Plans, pavement marking plans, traffic signal plans, road & utility design plans, and completing several other traffic related tasks. He's a member of the Institute of Transportation Engineers and ATSSA.

**Ethan Peterson, PE, State Pavement Marking & Crashworthy Engineer**  
MnDOT Office of Traffic Engineering  
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