

Who Should Attend?

This conference is a must for government employees, contractor employees, consulting engineers, and manufacturers involved in the selection, inspection, or maintenance of all types of pavement markings, sign and temporary traffic controls, including:

- Field personnel involved in the installation and inspection of pavement markings, traffic signs and temporary (work zone) traffic controls
- Field supervisors
- Designers of both permanent and temporary traffic controls
- State, county and local agency personnel
- Contractors
- Consulting engineers
- Traffic control device and material manufacturers
- Work zone traffic control supervisors

Registration Fees:

\$120 Pre-registered by March 2, 2012; **\$150** Registered after March 2, 2012

Included in Your Fee:

Entrance into the exhibit hall, featuring over 50 displays of the latest in roadway safety products and services, workshops led by federal, state, and local industry professionals, lunch, breaks and an evening reception.

Hotel Information:

Ramada Plaza Suites

701-277-9000

\$89 Conventional Room; **\$99** Two Room Suite

These room rates will be available until February 8, 2012.

For more information contact the Meetings and Conventions Department at:

Phone: 540-368-1701

Fax: 540-368-1717

E-mail: meetings@atssa.com

Web: www.atssa.com



American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, VA 22406



Join Us at the 20th Anniversary
Northland How-To Conference®
March 13 – 14, 2012
Featuring the Johnny Holm Band



2012 Northland "How-To" Training & Education Workshop

March 13 – 14, 2012 at Ramada Plaza Suites, Fargo, ND

SAVING LIVES

by Design



Tuesday, March 13, 2012

7:30 AM - 8:30 AM

Continental Breakfast

8:30 AM - 9:30 AM

General Session

Attitudes for Excellence!

This session is designed to wake up the sleeping giant and the potential in the people who attend this meeting. The attendees will learn, discover, and hear about powerful goal achieving tools, motivational resources and life enhancing ideas that will help each person achieve greater happiness, and incredible success in both their personal and professional lives. The audience will laugh, learn, and make more effective life decisions as a result of attending this special life-changing event.

9:35 AM - 10:15 AM

Breakout Session

1. *MN-ND Compared Traffic Control*

This session will look at the differences between the use of traffic control devices and layouts within Minnesota and North Dakota.

2. *New Smartphone Technology*

This is a two part session looking at new technology being used for data acquisition and its use in the reduction of snow plow and other maintenance vehicle-car crashes/conflicts through use of AVL-equipped fleet posting automated presence warnings on CMS on I-94 between Twin Cities and St. Cloud.

3. *DLS for Pavement Marking Stripers*

This session will cover data Logging Systems for Pavement marking stripers both the technology and reporting available. Discussion of DLS systems to include what DOTs want, how DLS Systems gather information, and how to utilize DLS tools.

10:20 AM - 10:50 AM

Coffee Break (Exhibit Hall)

10:50 AM - 11:35 AM

Breakout Session

4. *Tri-State CDL Updates*

D.O.T. law enforcement officials will give you updates on Commercial Drivers License requirements and will answer questions in an open forum regarding CDL's

5. *Low Cost ITS Addressing*

Come and learn about local and national efforts to reduce the number and severity of right angle crashes at rural non-signalized intersections by installing dynamic traffic responsive systems to provide additional supplemental warning of approaching and entering traffic.

6. *Changes In Striping Equipment*

This session will cover new options in striping equipment for greater efficiencies and effectiveness.

11:35 AM - 1:00 PM

LUNCH

1:00 - 2:00

General Session

20 Years of the How To Conference

Remarks from National ATSSA and Northland Chapter Committee Members

2:05 PM - 2:50 PM

Breakout Session

7. *Guardrail End Terminals 101*

National leading manufacturers of guardrail will give a joint seminar on their end terminal products.

8. *Longitudinal Channelizing devices*

A closer look and different applications for channelizing devices in work zones and permanent construction.

9. *Grooving Pavement Markings*

This session will provide a practitioners point of view of putting the Minnesota County Roadway Safety Plans to work from project solicitation submissions to developing and implementing roadway management policies.

2:50 PM - 3:20 PM

BREAK



3:20 PM - 4:05 PM

Breakout Session

10. *ND Roll Over Simulator*

The North Dakota State Highway Patrol will demonstrate the importance of wearing seat belts with a rollover simulator. The demonstration will use crash dummies to show the impacts of a rollover with and without the use of seat belts.

11. *Round About 101*

Roundabouts are becoming more prevalent in Minnesota and throughout the United States. Attendees will find out why MnDOT is building roundabouts on the State Highway system. The benefits will be presented as well as considerations of where they should (and shouldn't) be constructed. In addition, MnDOT's standard design practices and some challenges to implementation will be discussed.

12. *Open Forum*

surprise topic

4:05 PM - 4:50 PM

General Session

Highway Madness

Highlights from MNDOT's metro area traffic cameras from 2011, with observations on traffic and worker safety

4:50 PM - 6:00 PM

Reception

Wednesday, March 14, 2012

7:30 AM - 8:30 AM

Continental Breakfast

8:30 AM - 9:15 AM

Breakout Session

13. *Rumble Strips*

Personnel from the Minnesota and North Dakota Departments of Transportation will discuss their proactive, systematic policies on rumble strips and stripes statewide. This will include a discussion of the safety benefits of rumbles, as well considerations that were made to accommodate all of the stakeholders affected by the implementation of the policies.

14. *TPAR (Temporary Pedestrian Access Routes)*

We've all passed by areas impacted by construction or maintenance where the sidewalk just ends. Agencies are required by state and federal laws to perpetuate accessible routes through these areas. The presenters will discuss the importance of accommodating pedestrians with disabilities in work zones and how MnDOT intends to do so.

15. *St. Louis County Striping*

Visibility of edgeline striping is a key safety strategy that supports the vision of toward zero deaths. St. Louis County and 3M partnered to study the visibility and service life of various edgeline striping treatments using different pavement marking materials and surface treatments. Although still ongoing, video and retroreflectivity measurements have been completed of the edgeline striping treatments. The goal of the study is to assess the benefits of each treatment and identify best edgeline striping practices for the future with a county perspective.

9:15 AM - 10:00 AM

Breakout Session

16. *Science of Reflectivity*

In this talk we will try and cover the following topics:

The demanding road surface environment; Desirable attributes for Pavement Marking Optics; Refraction Basics in Dry and Wet Conditions; Driver Geometry, Optical Modeling, & Optimization Microcrystalline Bead Technology: Solid Mechanics of Beads for Pavement Marking Applications; Microcrystallinity and Nanocrystalline Microstructure Failure Mechanisms and Predictive Testing; Bead Durability Comparison Data: Conventional Glass vs Microcrystalline

17. *Hawk Signal System*

City of Fargo

18. *Creating Safer Roads for Bicyclists*

Increasing public demands that roads safely accommodate the growing bicycling community requires our industry to keep abreast of the evolution in specialized bike signage and markings. Many innovative signs and markings are showing up across the country. Do these make biking safer? How is the FHWA responding to these changes? How does the MUTCD treat safety devices for bicyclists? How does our industry not only participate but facilitate this evolution with traffic safety in mind?

10:00 AM - 10:30 AM

Coffee Break

10:30 AM - 12:00 PM

General/Wrap Up

What Can You Do-TZD



Registration Form

Northland Chapter "How To" Training and Education Workshop

March 13 – 14, 2012

Advance Registration by March 2, 2012

(Exhibitors: Only complete this form if you are registering more than 2 staff members.)

Registrant Information (One form per person. Form must be completed for each person).

Attendee Information PLEASE TYPE OR PRINT

Name _____ Nickname for Badge _____

Company/Agency _____

Company Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail address _____
required for registration confirmation

Contact, if other than registrant _____ Phone _____

E-mail address _____

Registration Type

	Advance	On Site	
	By 3/2/12	After 3/2/12	
Attendee/Exhibitor/Government Official	\$120.00	\$150.00	\$ _____

Payment Method

Check (payable to ATSSA) # _____

Charge my:

Visa MasterCard American Express

Cardholder _____

Card # _____

Exp. Date _____ Security Code _____

Authorized Signature _____

P.O. # (must include copy of purchase order.) _____

Check here if you require special accessibility or accommodations.

Cancellation Policy:

Full registration fee will be refunded if cancellation is received by March 2, 2012. No refunds after March 2, 2012. No-shows will not be refunded. All refunds will be made after the conference.

Please return this form with payment to:

Email meetings@atssa.com

Fax 540-368-1717

or by mail: ATSSA

15 Riverside Parkway, Suite 100

Fredericksburg, VA 22406

Phone 540-368-1701

Advance registrations will be accepted until March 2, 2012. After that date, you may register on site.

PLEASE COMPLETE

Anticipated Session Attendance

For planning purposes, please circle the sessions you anticipate attending. Thank you for your help.

Tuesday, March 13

8:30 AM	General Session		
9:35 AM	1	2	3
10:50 AM	4	5	6
1:00 PM	General Session		
2:05 PM	7	8	9
3:20 PM	10	11	12
4:00 PM	General Session		

Wednesday, March 14

8:30 AM	13	14	15
9:15 AM	16	17	18
10:30 AM	Wrap Up		

ATSSA use only

Date

Batch

Code

Amount

Acct. Code 4200-40200-NL