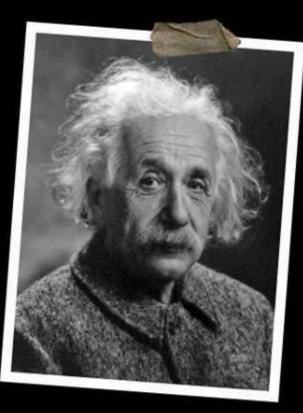
North Dakota – Innovation Building Blocks

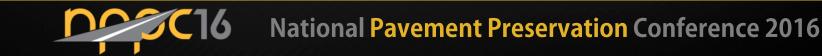
2016 National Pavement Preservation Conference October 11 – 14, 2016 – Nashville, TN

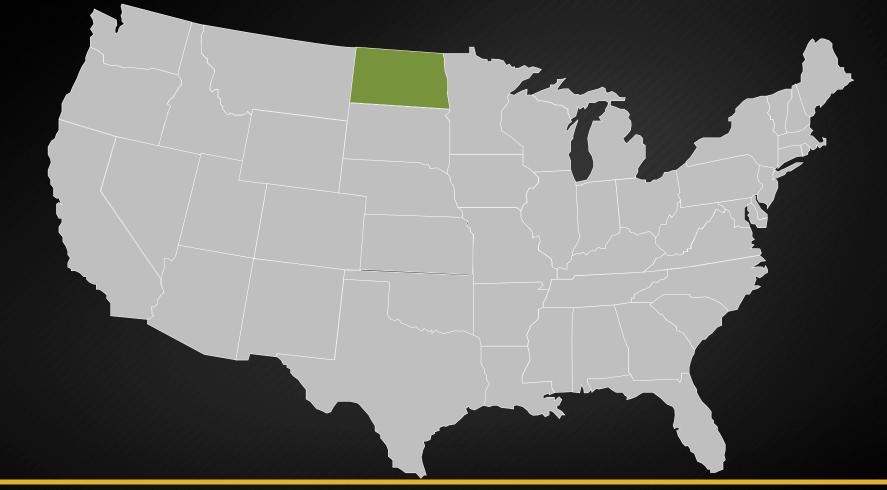
Dale C. Heglund, PE/PLS – NDLTAP Program Director dale.heglund@ndsu.edu





"Education is not the learning of facts, but the training of the mind to think." -Albert Einstein





DogoC16

"Entertaining and enlightening. . . . Might be the genre's be-all and end-all." — TORONTO STAR

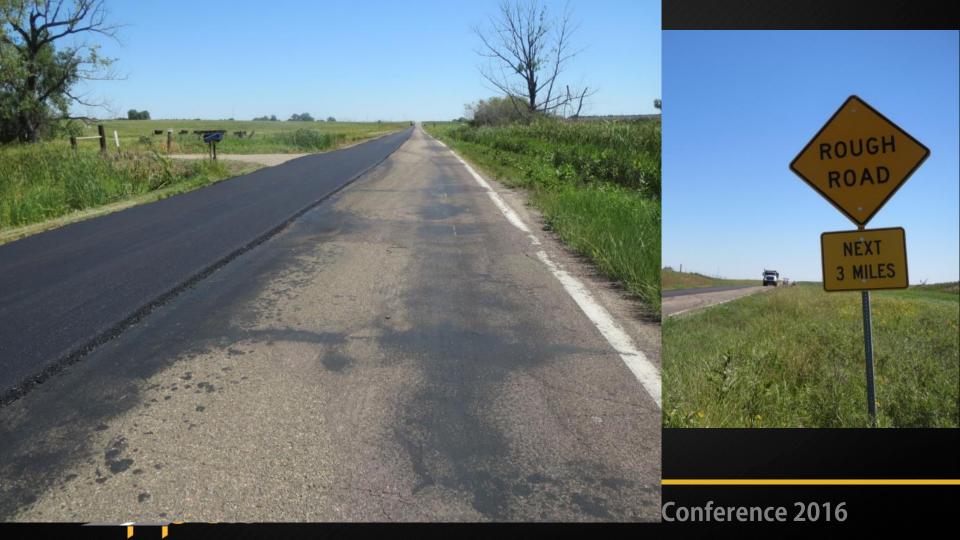
HOW TO FLY A HORSE



THE SECRET HISTORY OF CREATION, INVENTION, AND DISCOVERY KEVIN ASHTON





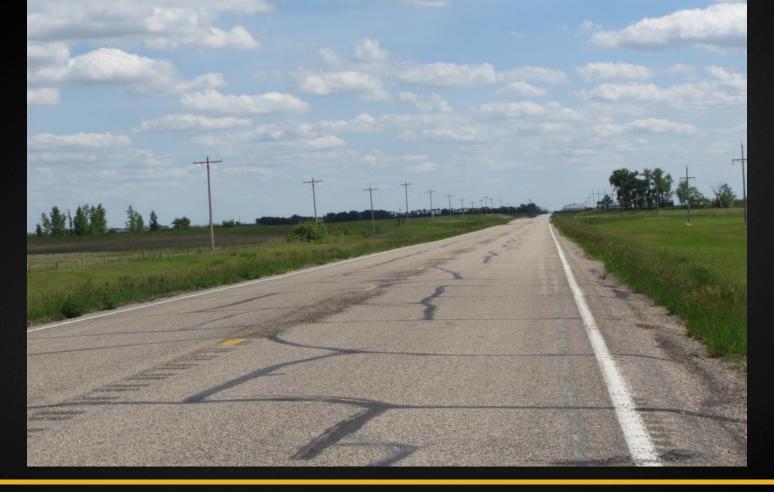








Contended on the servation Conference 2016



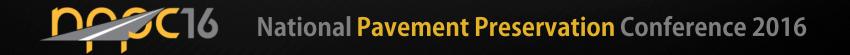














Federal Highway Administration

NDDDOT



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NDLTAP 2015 North Dakota Asphalt Conference Presentations

Title	Presenter
FHWA Update (PDF, 698K)	Wendall Meyer, FHWA
NDDOT Update (PDF, 1462K)	Grant Levi, P.E., North Dakota DOT
Ride Quality (PDF, 828K)	Clayton Schumaker, North Dakota DOT
2015 Ride Quality Awards (PDF, 532K)	Ken Swedeen, North Dakota DOT
Evotherm Admixture (PDF, 516K)	Gary Brennan, Brosz
CPAR Video (MP4, 29532K)	Larry Galehouse, National Center for Pavement Preservation
Preventive Maintenance, Techniques and Timing (PDF, 6457K)	Larry Galehouse, National Center for Pavement Preservation
MnDOT Update (PDF, 1592K)	Thomas Wood, Minnesota DOT
Milling for Smoothness, Milling for Profit (PDF, 4172K)	Kyle Hammon, Roadtec Inc.
The Future of Mix Performance Testing: Fatigue/Thermal Cracking (PDF, 1261K)	Tom Brovolod, Testquip
Pavement Design (PDF, 940K)	Ken Swedeen, Dakota Asphalt Pavement Association
Flexible Pavement Design (PDF, 995K)	Nickie Reis & Tom Bold, NDDOT

Presentation Archives

- <u>2015</u>
- <u>2013</u>
- 2012

North Dakota Ride Quality Award 2014

MAYO CONSTRUCTION INC. SAP-7-002(110)123

Third Place Category: Two Opportunity





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April 5-6, 2016 • Ramada Bismarck Hotel

Final Agenda

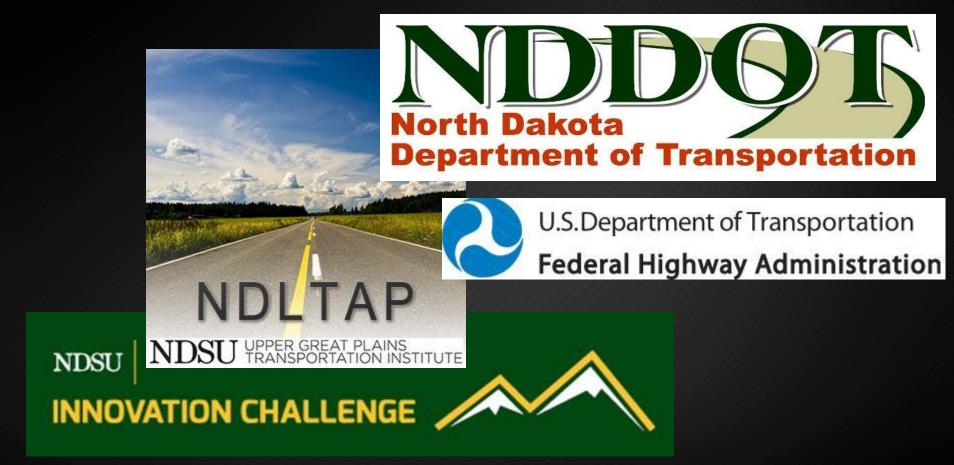
Tuesday, April 5 – Moderator Mark Dougherty

1:00 - 1:10	Welcome - Dale Heglund, NDLTAP Director
1:10-1:40	NDDOT Update – Grant Levi, NDDOT Director
1:40-2:00	FHWA Update - Kevin Michel, Engineering Services Team Leader, FHWA ND Division
2:00 - 3:00	NCAT Test Track Research – Pavement Preservation – Test Track Findings, Buzz Powell, National Center for Asphalt Technology
3:00 - 3:15	Break
3:15 - 4:15	
Contract Totals	Binder Basics – Specifications, History and Future, Mark Blow, PE, Asphalt Institute
4:15 - 4:30 4:30 - 5:00	NDDOT Paving Report – Clayton Schumaker, Assistant State Materials Engineer, NDDOT Tips for Low Volume Road Designs - Ken Swedeen, DAPA Executive Director
5:00	Social and Appetizers - 2015 Ride Awards – Ken Swedeen and Clayton Schumaker
7:00 - 8:00	Continental Breakfast
	Wednesday, April 6 – Moderator Sharon Lipsh
7:00 - 8:00 8:00 - 8:45	
8.00-8.45	NCAT Quarry Road – Test Track – Thin Lift Overlays, Research Review and Truck Loading Info - Buzz Powell, National Center for Asphalt Technology
8:45 - 9:15	Depressed Joint Test Section: County Review – Kerry Johnson, Barnes County and
	Tom Cannon, Maxwell Products
9:15 - 10:00	Spray Paving - Jason Johnson, ArrMaz, and Rick Barezinsky, KDOT Chief Field
	Engineer
10:00 - 10:15	Break
10:15 - 11:00	Road Reclamation Industry Overview: Pavement Preservation, HIR, CIR, FDR and Soil
44.00 40.00	Stabilization – Jonathon Pease, Rock Solid
11:00 - 12:00	What Minnesota is Doing to Improve PM Treatments Performance
	Tom Wood, Mn/DOT Research Project Supervisor

ce 2016







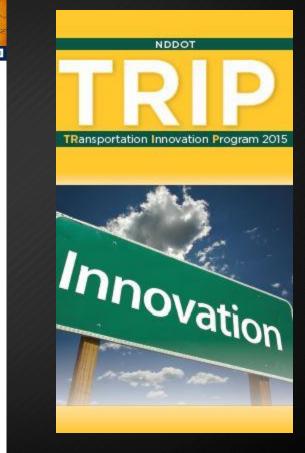
NDDOT TRansportation Innovation Program – TRIP

- Objective of Initiative:
 - To identify and implement innovative ideas for transportation projects, processes and products.
- Focus Areas:
 - bridges and structures,
 - construction, operations and maintenance,
 - roadway surfacing,
 - planning, environmental, safety,
 - service delivery, transit, multi-modal,
 - innovative training, research



- Using Jointbond to address longitudinal HBP joint deterioration
- Using WatershedGeo HydroTurf® for drainage way armoring



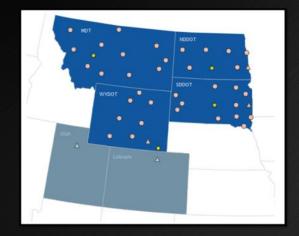


vation Conference 2016









Asphalt Pavement Maintenance

DATE: Wednesday, December 10, 2014 TIME: 9 AM – 12:00 PM (noon) Central Time DELIVERY: Video Conference (Bismarck Broadcast)

This 3-hour presentation will cover pavement preservation concepts, general asphalt pavement distresses, pavement evaluation, pavement performance curves, pavement rehab strategies, pothole repair techniques, and crack pouring concepts.

SPEAKER(S)



Nick Jones, PE, is the Director of the Utah LTAP Center. Nick previously served as the Provo City Engineer, a post that he held for 32 years. Nick has a bachelors and a master's degree from Brigham Young University in Civil Engineering and is a licensed professional engineer as well as a licensed structural engineer. Nick has been a leader in the state of Utah as a past president of the Utah City Engineer Association, a member of the Utah City Engineers Association and a member of the Utah State Joint Highway Committee.

TARGET AUDIENCE

General roadway maintenance staff and supervisors, road superintendents and public works directors who are in charge of roads and streets.





LEARNING SERIES 2014-2015

BASIC CONCEPTS FOR PAVEMENT PRESERVATION

DATE: Wednesday, April 1, 2014 TIME: 9:00 AM – 4:00 PM CT DELIVERY: Video Conference

This 6-hour course is intended to present the concept of pavement preservation and its applicability within road agencies. Topics include definitions, pavement life, road networks, alternative strategies, pavement distresses, guidelines, and preservation treatments.

Learning Outcomes:

- Importance of pavement preservation.
- An understanding of pavement distresses structural distresses versus environmental distresses.
- Pavement preservation treatments and their applicability.
- The concepts of pavement serviceability and remaining life.
- · The need and economics of pavement preservation, the consequences of rough roads.
- An understanding of extending pavement life.
- Methods for measuring highway network health, testing for long term effectiveness, network performance.
- Understanding of and impacts of management strategies, including "Worst First (Traditional)" and "Mix of Fixes."

SPEAKER



Larry Galehouse, Director, National Center for Pavement Preservation. Galehouse earned his B.S. in Civil Engineering from Michigan State University in 1980 and a B.S. in Surveying from Ferris State University in 1974. His achievements and awards include:

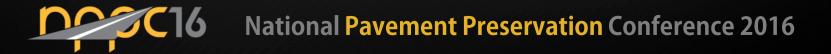
- Certificate of Special Tribute presented by Michigan Governor John Engler, 1999
- Partnership in Excellence Award presented by the Federal Highway Administration, 1999
- AASHTO Lead State Team for Pavement Preservation Service Recognition

TARGET AUDIENCE

Desc16 Nation

Transportation managers, district and regional engineering and maintenance staff, county road superintendents, pavement designers, construction schedulers, pavement and asset management staff. *This presentation was last shown on January 6, 2104; much of this presentation will be a repeat.*



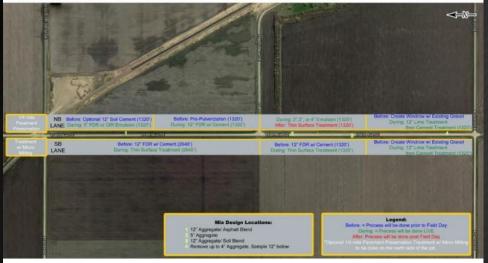




158TH AVE SE



National Pavement



August 9th & 10th, 2016 7:30 am - 5:00 pm

Location Ramada Plaza Fargo 1635 42nd Street South Fargo, ND 58103

For those needing overnight accommodations, please make arrangements directly with the hotel. www.ramadafargo.com

Qualifies for 12 Professional Development Hours (PDH)

IN-PLACE RECYCLING & RECLAIMING SEMINAR WITH LIVE DEMONSTRATION

Learn from the people who wrote the book.

Who Should Attend:

The Seminar addresses the needs of professionals at all levels from interstate Highways to Commercial and Residential Developments—Design Engineers, Highway Engineers, Consulting Engineers, other Public Works Officials, Contractors, and Material Suppliers, who want to incorporate responsible recycling into their pavement program.

Seminar Topics

Slurry/ Micro Applications		Cold In-Place Recycling	4	Alternative Road Design
Cold Planing		Full Depth Reclamation	2	Mix Designs
Hot In-Place		Rectaination		
Recycling	*	Soil Stabilization		

IN PARTNERSHIP WITH









Materials testing is the foundation to quality roadway projects.



More online training modules and video demonstrations forthcoming.

NDDOT

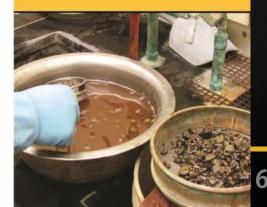
Department of Transportation

NDSU UPPER GREAT PLAINS TRANSPORTATION INSTITUTE



MATERIALS TESTING

Self-Paced Online Training Modules Video Demonstrations



Contact

Sharon Taylor NDDOT Materials and Research Training Coordinator 701.328.6937 staylor@nd.gov

Rachel A. Leigh North Dakota State University Upper Great Plains Transportation Institute Instructional Design Specialist 701.328.9862 rachel.leigh@ndsu.edu

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31st Annual North Central Regional Local Road Conference <u>Tentative Agenda</u>

TUESDAY - OCTOBER 18, 2016

3:00 - 5:00 pm	Exhibit Booth Set Up	
<u>5:00 - 8:00 pm</u>	On-Site Registration & Vendor Social 🗦	

WEDNESDAY - OCTOBER 19, 2016

7:00 - 8:00 am	On-Site Registration	Moderator: Dirk Rogers		
8:00 - 8:15	Welcome, Announcements & Introductions: SDLTAP			
8:15 - 8:45	Geogrid Stabilization Basics: Scott Whaley and Nick Nuttbrock, Tensar			
8:45 - 9:15	"You Show Us" Awards: Noel Clocksin, SDDOT			
<u>9:15 - 9:45</u>	Break - Exhibit Booth Visits			
9:45-10:45	Preserving our Asphalt Roadways: Stu Zick, Jebro, Inc.			
10:45-11:30	Communicating about Local R Elected Officials: <i>Rosemarie A</i> <i>Office of Safety</i>			
11:30-1:00 pm	Lunch (Provided) Mo	derator: Andrew Peterson		
1:00 - 2:00	Culvert Basics & Culvert Slip Li NDLTAP & Kenny Moulds, Sub	o o .		
2:00 - 2:45	Load Securement & CDL Requ Trooper Kevin Moser, SD High			
<u>2:45 - 3:15</u>	Break - Exhibit Booth Visits -	* Vendor Meeting @3:15 *		
3:15 - 4:15	Round and Round - Tire Basics Commercial Solutions and Mir			
4:15 - 5:00	Equipment Contract - Legal As NDACo Legal Council	spects: Aaron Birst,		
5:30 - 8:00	Dinner (Provided)			
	Cash Bar & Exhibit Booth Visits	<u>i</u>		

THURSDAY - OCTOBER 20, 2016

7:00 - 8:00 am	Breakfast (Provided) Moderator: Dennis Wilson
	Exhibit Booth Visits
8:00 - 9:00	Traffic Incident Management: Megan Patent-Nygren, NELTAP
9:00 - 9:30	Resource and Partnership Opportunities: Denise Brown, National LTAP Assn & DJ Buthe, NACE Representative
9:30 -10:00	Break - Networking Opportunity - *Pick Up PDH Certificates
	Final Exhibit Booth Visits - Tear Down
10:00-10:45	Extending 3R Standards to County Systems: Dennis Smith, NELTAP & LeMoyne Schulz, NE Department of Roads
10:45-11:30	Wyoming LTAP Research - Local Road Safety Plan: Bart Evans, Wyoming Technology Transfer Center ND Geogrid Demo Project: Curt Glasoe, NDLTAP and Bryan Haugenoe, Divide County, North Dakota Gravel Crushing Specs for Counties: Steve Monlux, LVR Consultants of Montana
11:30-12:00	Conference Wrap Up & Door Prizes: SDLTAP
	Must be present to win!

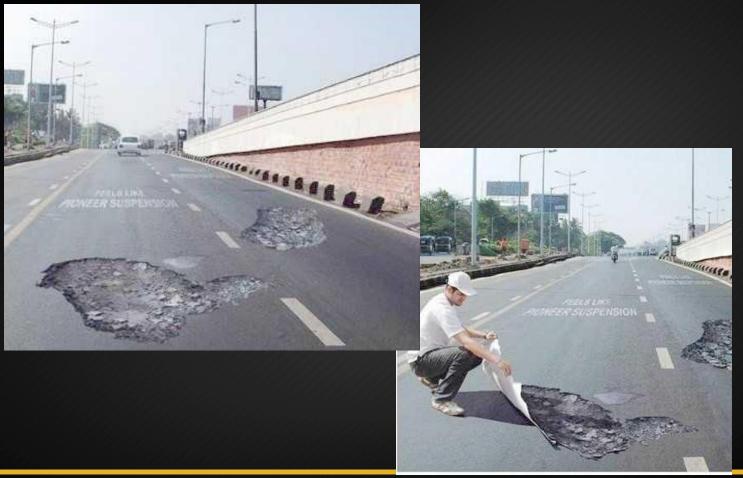
HOTEL

A block of rooms has been reserved at the Best Western Ramkota Hotel in Rapid City, SD (605-343-8550) under the name of County Road Conference (LTAP). Be sure to ask for the special room rate and reserve rooms early!

REGISTRATION

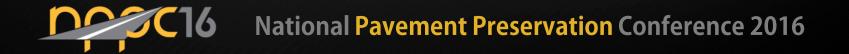
Pre-register and pay by October 5, 2016, in order to receive the discounted registration rate. The conference registration deadline is October 12, 2016. Cancellations will not be reimbursed if received after October 12, 2016.

This publication will be made available in other formats upon request. If you need special accommodations for lodging and/or diet related to disability, planse call SDI TAP at 605-688-4185 by October 5, 2016



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Innovation is Local



North Dakota – Innovation Building Blocks

2016 National Pavement Preservation Conference October 11 – 14, 2016 – Nashville, TN

Dale C. Heglund, PE/PLS – NDLTAP Program Director dale.heglund@ndsu.edu

