

NDSU UPPER GREAT PLAINS TRANSPORTATION INSTITUTE



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TRANSPORTATION INSTITUTE

Western Dakota Energy Association
Annual Meeting
October 12-13, 2022

Western ND Transportation Liaison Program
Matthew Johnson, PE

UGPTI Mission

Providing innovative transportation research, education, and outreach that promote the safe and efficient movement of people and goods.

Core Values

UGPTI staff and students are dedicated to “**SERVICE**”

Service	Providing QUALITY SERVICE to our stakeholders
Excellence	Achieving EXCELLENCE in our research, education and outreach efforts
Reputation	Maintaining a level of TRUST and an exceptional REPUTATION
Value	Adding VALUE and KNOWLEDGE to the transportation community
Integrity	Demonstrating INTEGRITY and RELIABILITY in our efforts and interactions
Creativity / Innovation	Encouraging CREATIVITY and INNOVATION
Education	Advancing LEARNING opportunities by promoting continuing education

History

UGPTI was created in 1967 by the ND Legislature to study the unique transportation challenges facing agricultural producers and processors in the region.

North Dakota Century Code 54-53-01

1967 Legislation establishing UGPTI

There is hereby established an upper great plains transportation institute. Such institute must be administered by and in conjunction with the North Dakota state university of agriculture and applied science. The president and administration of the North Dakota state university of agriculture and applied science are responsible for the selection of personnel for and the administration of the institute.

Advisory Council

- ND Chamber of Commerce
- ND Public Service Commission
- ND Farmers Union
- ND Grain Growers Association
- ND Wheat Commission
- ND Department of Commerce
- ND Grain Dealers Association
- ND Motor Carriers Association
- ND Aeronautics Commission
- ND Department of Transportation
- ND Department of Agriculture
- ND Associated General Contractors
- ND Railway Industry, appointed
- ND Manufacturing Sector
- ND Association of Counties
- ND League of Cities
- Lignite Energy Council
- Member, Dakota Transit Association
- ND Corn Council

Primary Programs

- Advanced Traffic Analysis Center (ATAC)
- Center for Surface Mobility Applications & Real-time Simulation environments (SMARTSeSM)
- DOT Support Center (DOTSC)
- Mountain-Plains Consortium (MPC)
- North Dakota Local Technical Assistance Program (NDLTAP)
- Rural Transportation Safety and Security Center (RTSSC)
- Small Urban and Rural Center on Mobility (SURCOM)
- Transportation Learning Network (TLN)
- Commercial Vehicle Safety Center (CVSC)

Focus Areas: *agricultural freight, rural traffic analysis, tribal outreach*

North Dakota Local Technical Assistance Program - NDLTAP

- Provide quality technical outreach
- Conduct world-class learning opportunities
- Advocate for innovation and cutting-edge efforts
- Provide local roadway leader mentorship

North Dakota Local Technical Assistance Program - NDLTAP

- Road Repair Strategies
- Dust Suppression Alternatives
- Truck Size and Weight Impacts
- Traffic Management
- Safety Enhancements
- On-site Technical Support
- Asset Management Program
- Planning Activities
- Project Development
- Leadership Development
- Material Specification and Development
- Prioritize System Needs

NDLTAP Advisory Board

- *City (3)*
- *County (3)*
- *FHWA (2)*
- *NDDOT (2)*
- *Tribal (1)*
- *Township (1)*
- *Consultant (1)*
- *NDIRF (1)*

NDLTAP Program Partners

- *NDDOT*
- *Western Dakota Energy Association - WDEA*
- *North Dakota Insurance Reserve Fund - NDIRF*
- *Associated General Contractors - AGC*
- *North Dakota Township Officers Association*
- *Dakota Asphalt Paving Association*
- *North Dakota League of Cities*
- *North Dakota Association of Counties*
- *Bureau of Indian Affairs - BIA*
- *North Dakota Highway Patrol*
- *Soy Transportation Coalition*
- *ATSSA*
- *FHWA*
- *ND Soybean Council*
- *RDO*
- *Butler*
- *Base One*
- *Tensar*
- *Newman Signs*
- *Sign Solutions UA*
- *Swanston Equipment*
- *ASTECH*
- *True North Steel*
- *Others*

NDLTAP Deliverables

- *Local Roads Conference*
- *ND Asphalt Conference*
- *Road Scholar Program*
- *Gravel Training*
- *Motor Grader Operator Training*
- *Boots on the Ground*
- *Leadership Class – “I am a LEADER”*
- *Becoming a Presentation Pro*
- *Roadway Foundation Class*
- *GRIT – Geographical Roadway Inventory Tool*
- *Wise Roads*
- *CMP Culvert Class*
- *Bridge 201*
- *Signing 201*
- *Work Zone Safety Class*
- *Winter Maintenance Class*
- *Product Demo’s*
- *Site Visits*
- *Tailgate Talks*
- *Innovation Champions*
- *Sign Warrior Calendar*
- *OSHA 10-hour Training*
- *Others*

Western ND Transportation Liaison Program

- The North Dakota Department of Transportation (NDDOT) and the Upper Great Plains Transportation Institute / Local Technical Assistance Program (UGPTI/LTAP) have partnered to advance transportation technical support to the leaders of Western ND and the MHA Nation.
- Advance transportation planning, project scheduling, asset management, and operations-based technology-transfer concepts.
- Promote uniform transportation level-of-service concepts for local road networks.

Western ND Transportation Liaison Program

- Program area:
 - Dunn County
 - Mountrail County
 - McKenzie County
 - Williams County
 - MHA Nation

Western ND Transportation Liaison Program

- WDEA/NDLTAP Energy Roundtable
- Wise Roads
 - Delays due to Rainfall
 - Prediction Model
- GRIT

Thank you for the time to present the Western ND Transportation Liaison Program

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