Gravel Road Maintenance and Design

Minnesota Roadway Maintenance Training and Demo Day

In Partnership with Minnesota Public Works Association and Minnesota Streets Superintendent Association

Hosted by Minnesota Local Technical Assistance Program (LTAP), Center for Transportation Studies, University of Minnesota.
Sponsored and subsidized by Minnesota Local Road Research Board (LRRB) and Federal Highway Administration (FHWA).
Facilitated by the College of Continuing and Professional Studies, University of Minnesota.
Gravel Road Maintenance and Design

April 10, 2018, Radisson Hotel, 505 W Superior Street, Duluth, MN 55802
April 12, 2018, Quality Inn, 1060 Highway 32 S, Thief River Falls, MN 56701

Registration begins at 8:30 a.m. Workshop is scheduled from 9:00 a.m. to 4:00 p.m.

Workshop Description
This workshop is designed to help supervisory personnel and operators better understand the materials, techniques, and equipment needed for maintaining gravel roads. Slides, videos, and group discussions will be used to review new techniques and ideas in gravel road maintenance. Attendees will learn from real-world examples and benefit from the exchange of information with instructor and other attendees.

Topics Covered
- The latest in gravel road maintenance techniques
- How to reduce washboarding
- How to choose good sources of gravel
- How to shape a gravel road, including a proper crown and shoulder
- Gravel road and equipment safety
- Gravel gradation
- How to control dust
- How to select the right equipment and cutting edges
- Fabric stabilization of weak road-base conditions
- How to develop a road improvement program
- Turning bituminous roads back with stabilization and Otta Seal
- Review of gravel road maintenance equipment
- Motor grader safety and operation overview

Who Should Attend
Supervisors, operators, and township officials responsible for maintaining gravel roads and anyone interested in gravel road maintenance.

Workshop Instructors
John Okeson has more than 40 years in operations, supervision, and management for a rural county highway department. He has served 20 years as a township supervisor. Retired from Becker County Highway as superintendent after 42 years and presently serving as a Becker County Commissioner.

Registration and Fees
The registration fee includes lunch, coffee breaks, and program materials. A refund of the registration fee, minus a $30 cancellation fee, will be made if cancellation is received five working days prior to the workshop. Disability accommodations are available upon request.

RS
Professional Development Hours (6.0 PDHs)
Roads Scholar Program (1.0 Credit)
Minnesota Roadway Maintenance Training and Demo Day

May 17, 2018, Beltrami County Fairgrounds, 7223 Fairgrounds Road NW, Bemidji, MN 56619

Registration and Continental Breakfast: 7:00 a.m.
Classroom Sessions and Demos are scheduled from 8:00 a.m. to 3:15 p.m.

Workshop Description
This one-day event will highlight the latest practices, innovations, and research related to Minnesota’s roadway maintenance operations. The event focuses exclusively on education and technology exchange through classroom sessions and outdoor demonstrations.

Topics Covered
- CDL updates and driving requirements
- Cargo securement device procedures and inspection
- Gravel road maintenance and design
- Gravel quantity computations
- Blading techniques and proper equipment
- Culvert management and ditch maintenance
- Surveying techniques and drainage
- Gravel field surveying and assessment
- Methods to identifying existing grades and drainage issues
- Homegrown Minnesota equipment innovations on display

Roads Scholar Ceremony
Graduates for the year are honored during a ceremony at this event.

Who Should Attend
Maintenance operators, supervisors, and transportation and research implementation personnel from township, tribal, city, county, and state agencies who are seeking continued education and knowledge-building opportunities.

Registration and Fees
A $125 registration fee includes attendance at general sessions and outdoor demonstrations, instructional materials, lunch, and refreshment breaks. If you need to cancel your registration, a refund, minus $30, will be issued if you cancel by May 4, 2018. Cancellations after this date will not be eligible for a refund.

Location and Accommodations
This event will be held at Beltrami County Fairgrounds, 4-H Building Exhibit Hall, 7223 Fairgrounds Road NW, Bemidji, MN 56619.

A block of sleeping rooms has been reserved at the Holiday Inn Express Bemidji, 2422 Ridgeway Avenue NW, Bemidji, MN 56601, 218-751-2487. Government room rate: $93 plus tax. Accommodations are also available at the Best Western, 2420 Paul Bunyan Drive NW, Bemidji, MN 56601, 218-751-0390. Please call to make your reservation.

Professional Development Hours (6.0 PDHs)
Roads Scholar Program (1.0 Credit)
Program and Registration Information Contact
Marie Villano, College of Continuing and Professional Studies, University of Minnesota, 612-624-4972, fax: 612-624-6225, email: ccapsconf2@umn.edu

The University of Minnesota is an equal opportunity educator and employer. Disability accommodations are available upon request.
Registration Form

*Information in the section above is private data. Items marked by an asterisk (*) are required for identification and to establish your student record. Information is shared with the registrar’s office, your instructor, and other University offices for the purposes of record keeping, affirmative action, and reporting.

1 **Gravel Road Maintenance and Design**
   ENGR X011

   Please select location:
   
   _____April 10, Duluth (017)
   _____April 12, Thief River Falls (018)

   **FEE:**
   
   _____$60 – Township & Tribal representatives
   _____$70 – City, County, State, and Federal representatives
   _____$150 – All others

   Online Registration (credit card only): mnltap.umn.edu/gravelroad

2 **Minnesota Roadway Maintenance Training and Demo Day**
   CF1063

   **FEE:** $125

   _____May 17, Beltrami County Fairgrounds, Bemidji

   Register online (credit card only): mnltap.umn.edu/training/roadway

   *If your check is returned because of insufficient funds or closed account, or because you have made a stop payment request, you will be charged a check handling fee of $20.*

   **Method of Payment (please check one)**
   
   □ Enclosed is a check or money order payable to University of Minnesota.
   □ Enclosed is a purchase order or letter of authorization to bill my employer.
   □ Charge to:  □ Visa  □ MasterCard  □ Discover  □ AMEX

   Account number
   Expiration date

   Name as printed on card
   Signature

**Register by fax:** 612-624-5359

**Register by mail:**
CCAPS Registration Center, University of Minnesota
353 Ruttan Hall
1994 Buford Avenue
Saint Paul, MN 55108
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