

# GRAVEL QUALITY 3 P's: Prospecting, Production & Performance

**April 28, 2020 (Tuesday) 9:00 – 4:00 PM CT**  
**Casselton City Auditorium • 702 1<sup>st</sup> Street N., Casselton, ND**

**April 29, 2020 (Wednesday) 9:00 – 4:00 PM CT**  
**Community Center, 114 Main St., Granville, ND**

**April 30, 2020 (Thursday) 9:00 – 4:00 PM MT**  
**Stark County Highway Department • 52 30<sup>th</sup> Ave. West, Dickinson, ND**



**Registration Deadline:** 1 week prior to workshop | **Class limit: 30 attendees – \$50 Registration Fee**  
(refreshment breaks and lunch will be provided)

Learn tips on how to find and evaluate gravel sources, making realistic specifications, how owners and suppliers working together provide quality results, and adding clay (nature's glue) to gravel surfacing. Participants from the class will leave with the working knowledge on how to improve gravel performance and life.

Crushing good gravel can be a challenge, but how can we make existing poor and tired gravel perform better? While even the best of gravels can't match the year-round qualities of asphalt, we can sweeten the mix and make them better with a small percentage of clay.

- Hands-on review of sand, silt and clay.
- Identify the causes of gravel road deficiencies – wash boarding, dust, float, rutting, etc.
- The value of gravel testing.
- Clay is the glue. Review test for fine materials in gravel.
- Ways to lower bids for gravel.
- Best practices for gravel road maintenance.
- Best practices for gravel sampling, testing and acceptance.
- Develop options to improve existing gravel quality – production, stockpiles and road surfaces.
- Better gravel – better roads. Better roads – safer roads. Safer roads – save lives. With nearly 60,000 miles of gravel roads, the class is meant to help us create better, safer roads.

Learn how to "Make Gravel Roads Great Again!"



**Steve Monlux, LVR Consultant**, will help us to better understand all aspects of gravel, from prospecting to roadway maintenance. What is good gravel? How can we balance gravel quality with local resources? How can we solve gravel deficiencies?



**Rob Rebel, Knife River Corporations North Central Regional Vice President – Aggregate**, will provide prospecting tips, review production practices and share ways to enhance gravel quality.



**Dale Heglund, NDLTAP**, will review gravel surfacing test sections, performance prediction programs, surface selection tools, and sample specifications.

This is a **must** attend training for anyone that touches gravel or gravel roads. Motor grader operators, county road superintendents, county and township officers, contractors, and gravel suppliers. Need help? Contact us at [ndltap@ugpti.org](mailto:ndltap@ugpti.org) or 701-328-9855

If you have a request for an accommodation related to a disability or have special dietary needs, please contact Amanda Miller at (701) 328-9855 or [amanda.jean.miller@ndsu.edu](mailto:amanda.jean.miller@ndsu.edu) at least two working days prior to the event.