

Meeting the Mark on Gravel Quality

VIRTUAL TRAINING

December 1, 2020 • 9:00 AM – 12:00 PM (CST) 8:00 AM – 11:00 PM (MT)

REGISTRATION DEADLINE: FRIDAY, NOVEMBER 27, 2020

You must register for this webinar on TLN Learning Management System:

<https://tln.learnflex.net/include/login.asp?url=/users/index.asp>



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.

- Aggregate resources – exploration & development
- Identify the causes of gravel road deficiencies – wash boarding, dust, float, rutting, etc.
- The value of gravel sampling and 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.



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?



Jon Ellingson, Terracon, Ellingson is an exploration geologist with more than 22 years of experience in aggregate resource mapping, mineral exploration, mine reclamation, and remediation across the US. He ran the County Aggregate Resource Mapping Program for the State of Minnesota (MNDNR) for approximately 10 years before getting into consulting. Jon currently completes aggregate exploration for clients including cities, counties, and private companies and is the Office Manager for Terracon's West Fargo, Grand Forks, and Jamestown, ND offices.

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 or 701-328-9855