

Basics of a Good Gravel Road

A Gravel Road Maintenance Class

February 14, 2012 (# 02070CN)
Moses Lake

Best Western Lake Front Hotel
3000 Marina Drive, Moses Lake WA 98837
509-765-9211*

February 16, 2012 (# 02069CN)
Everett

Everett Community College
Whitehorse Hall Room #105
801 Wetmore Ave., Everett WA 98201
425-388-9315*

(*The phone numbers above are receptionist numbers and can be used in case of emergency to contact a student in a class)

Cost: \$75

Time: 8:30 a.m. to 4:00 p.m.

Class Size: 35

Target Audience

This class is for anyone who has responsibility for maintenance and/or design of gravel roads and streets. Maintenance operators and supervisors of city, county, tribal, state, and forest service roads will expand their knowledge about maintaining gravel roads. In addition, design engineers, technicians, field engineers, inspectors, and industry representatives will find Mr. Heiden's presentation very beneficial.

Course Description

Gravel and dirt roads make up approximately thirty-six percent of all roads in the United States today. However, the funds allocated to these roads are often only a small portion of the total amount spent on roadway construction. Therefore, it is important to take full advantage of the knowledge, tools, and techniques available to us today.

The LTAP Center offers this training to local agencies and other Washington State municipalities who have gravel roads within their jurisdictions. Mr. Heiden comes from Colorado to present his program on the basic maintenance and construction of a good gravel road, and will address all major problems and concerns of unpaved roads: washboarding (corrugation), traffic patterns, rutting, surface drainage, dust control, surface material, and roadside obstructions. The techniques that Mr. Heiden teaches can help an agency reduce their unpaved road maintenance expenditures by up to 40 percent or less of current expenditures in three to five years.

Agenda

- **Engineering Basics:** In-depth discussions of desired traffic wear patterns: Proper shape, centerline, cross slope, roadway edges, and roadside intimidation.



- **Good Surface Materials:** A brief, simplified explanation of how soils work and what is needed for a lasting road.
- **Dust Palliatives/Base Stabilizers:** Report on a joint study of the use and effectiveness of dust palliatives.
- **Equipment and Methods to Maintain a Good Gravel Road**
- **Sequences and Specifications**

Instructor

William F. Heiden, P.E., P.L.S.

Mr. Heiden is a professional engineer and retired land surveyor. He has a background of over 40 years experience as a county road engineer and contractor working in the construction and maintenance of roads in Larimer and Gilpin Counties in Colorado. Since 1999 he has consulted and lectured in New Mexico, Arizona, South Dakota, Texas, Utah, Oklahoma, Indiana, Idaho, Oregon, Alaska, Wyoming, as well as in Washington State and British Columbia. Mr. Heiden is recognized throughout the United States for his expertise on drainage and gravel roads. He has a wealth of knowledge on practical business measures that can help cut costs for an agency.

Registration

Please register [on-line](#), key this web address into your browser:

<http://eefmapps.wsdot.wa.gov/fmi/xsl/LTAPTraining/default.xsl>

Fill in the requested information, select your class from the list, then press "Submit." You will receive an e-mail notification of receipt of your request and placed on a wait list. If you do not receive this e-mail notification within a day or two, please contact us by phone.

Please do not prepay, an invoice will be mailed to you after the class. Confirmation letters are mailed prior to the class. If you are unable to attend, someone else from your agency may attend in your place.

Questions

Contact Judy McDonald @ 360-705-7809 or McdonJT@wsdot.wa.gov for questions on this training, for registration assistance or cancellations.

Disability accommodations provided upon request.

Visit the
Washington State LTAP Center's Web Page:
<http://www.wsdot.wa.gov/localprograms/ltap/>