

Streambank Stabilization Workshop

February 22-24, 2010

(with field trip on third day)

At the new Midwest Public Risk training facility
19400 East Valley View Parkway Independence, MO
(Little Blue River and I-70)

This workshop introduced methodologies and procedures for initiating, planning, analyzing, and ultimately designing long-term sustainable river and stream stabilization or restoration projects. Innovative, environmentally sensitive, and cost-effective approaches to restoration were discussed.

Topics addressed:

Innovative bank protection methods and choosing the appropriate method or combination of techniques.

Reading a stream and analyzing a streambank erosion problem with an experienced practitioner.

Analyzing an in-the-field site, understanding the role of project goals in the development of conceptual flow analyses, and designing stabilization plans that relate to the project performance goals. Bank erosion sites on the Little Blue River were visited on Ess Road and along the Little Blue Trace.

All participants received a CD of useful handouts and visuals

The 3-day workshop included lunch and transportation to field sites thanks to a grant from the Missouri Conservation Heritage Foundation.

In these times of budget reductions, more and more cities are taking on in-house design and construction solutions to stream erosion. Stream degradation problems in large urban areas are especially difficult and complicated to deal with because of the impervious surfaces, stormwater, and large amounts of infrastructure filling the watershed. City engineers and public works personnel need to understand how to design and implement cost effective and watershed friendly solutions to stream problems.

Instructor: Dave Derrick, Fluvial Geomorphologist and Vice President of River Research and Design, Inc.

During this seminar, Mr. Derrick introduced the methodology and procedures used in planning, analyzing, and ultimately designing long-term sustainable stream stabilization projects. Attendees learned innovative, environmentally sensitive, and cost-effective approaches to channel restoration. They also developed a philosophy of bank stabilization design that emphasizes an understanding of the stream as a complex inter-related system that encompasses both local and system-wide processes and problems.

More information can be obtained via e-mail to: info@littleblueriverwc.org

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