RIVERS AND ROADS TIER 2 WORKSHOPS

Course Description
The goal of the Rivers & Roads Training Program is to advance an understanding of fluvial geomorphology across the transportation sector, to ultimately develop and implement projects that improve the resiliency of the Commonwealth’s transportation network. Fluvial geomorphology, the study of river shape and form in the landscape, allows us to understand why rivers look and behave the way they do, to predict the shape and response of stream channels over time and during large storms. With this knowledge, we can design culverts, bridges and roadways that are more resilient to severe precipitation events.

MassDOT Highway Division has based this training program off of the successful Vermont Rivers & Roads program, and has developed Massachusetts specific content through partnership with Milone & MacBroom, Inc., MA Division of Ecological Restoration, MA Division of Fisheries and Wildlife, UMass Amherst, and MA Department of Environmental Protection. This workshop is a one-day classroom session that includes interactive exercises and trainings on a model river flume table. As a prerequisite, participants are required to complete the Tier 1 online introductory training on rivers and the fundamentals of fluvial geomorphology (https://www.umasstransportationcenter.org/umtc/Rivers-and-Roads.asp; approx. 2 hrs).

Target Audience
Anyone who manages, plans, designs or builds roadway infrastructure around rivers and streams.

Instructors
Tim Dexter, MS, Fish and Wildlife Supervisor for MassDOT Highway Division Environmental Services.
Roy Schiff, PhD, PE, Water Resource Scientist and Engineer with Milone & MacBroom, Inc.
Jessica Clark Louisos, MS, PE, Water Resource Engineer with Milone & MacBroom, Inc.
Noah Slovin, MS, Environmental Scientist and Planner at Milone & MacBroom, Inc.
Douglas Osborne, MS, EIT, Water Resource Engineer with Milone & MacBroom, Inc.
Christine Hatch, PhD, Associate Extension Professor, Geosciences, UMass Amherst
Heidi Davis, PWS, Environmental Analyst, MA Department of Environmental Protection
MA Division of Ecological Restoration Culvert Specialists and Engineers

This event is accessible to people with disabilities and individuals with limited English proficiency. If you need a reasonable accommodation (such as American Sign Language Interpreters, assistive listening devices, handouts in alternate formats, etc.) and/or language assistance (such as translated documents or an interpreter) to fully participate, please contact Cindy Schaedig at 413-588-4549 or cschaedig@ecs.umass.edu at least 14 days prior to the event. Such services are provided free of charge.

This Baystate Roads (LTAP) workshop is a cooperative effort of the Federal Highway Administration, the Massachusetts Department of Transportation and the University of Massachusetts Transportation Center.

Class Dates:
November 13, 2019
Middleborough Town Hall
10 Nickerson St., Middleborough
8:00AM – 3:00PM

November 14, 2019
Westford Highway Department
28 North St., Westford
8:00AM – 3:00PM

November 19, 2019
MA Wildlife Field Headquarters
1 Rabbit Hill Road, Westborough
8:00AM – 3:00PM

November 20, 2019
Scanlon Hall, Banquet Room C
Westfield State University
577 Western Avenue, Westfield
(parking permits will be provided)
8:00AM – 3:00PM

November 21, 2019
Skyline Country Club
405 S. Main, Lanesborough
8:00AM – 3:00PM

Registration Fee:
There is no cost to attend these classes

Cancellations must be received 7 days prior to the workshop.

If you have questions about these workshops please contact Tim Dexter at timothy.dexter@state.ma.us

Did You Know?
UMass Transportation Center, 214 Marston Hall, Amherst, MA 01003
Phone: (413) 545-2604 • Fax: (413) 545-9569
www.UMassTransportationCenter.org

MassDOT
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Division of Ecological Restoration
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