

Road-Stream Crossings Workshop

*Inventory, Assessment, Design, and
Construction*



April 12—14, 2016

Markee Pioneer Student Center

University Room

University of Wisconsin Platteville

Questions? Need to know more?

Contact Bobbi Jo Fischer

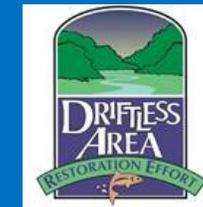
(920) 787-3015

bobbi.fischer@wisconsin.gov

Enroll Early!

Enrollment is limited to 45 people.

20 Professional Development Hours (PDH's) Available



**You'll never look at a culvert the
same way again.**

Road-Stream Crossings Workshop—Inventory, Assessment, Design, and Construction
April 12–14, 2016 Markee Pioneer Student Center Platteville, Wisconsin

Who will Benefit from this Workshop?

- ◆ Designers or installers of road-stream crossings
- ◆ Managers of road systems with stream crossings
- ◆ Regulators of municipal or private road-stream crossings
- ◆ Private and public entities interested in protecting and enhancing stream connectivity

Learn Practical Design Techniques

Using the inventory and assessment techniques offered in this workshop, you will be able to design road-stream crossings with proper hydraulic capacity while also protecting the local stream ecology. Additionally, these design techniques will result in road-stream crossings that have a longer lifespan, are less burdensome to maintain, and are more resilient to flooding.

Gain Hands-On Knowledge

This workshop has classroom and field sessions. The field component is designed to reinforce the inventory, assessment, design, and construction techniques that have been introduced in the classroom.

Multi-disciplinary teams conceptually design a road-stream crossing replacement with the information presented in the classroom and field sessions.



What to Bring

Please dress in comfortable, weather-protective clothing for the field. As available, bring rubber boots and/or waders, clipboard, safety vest, water bottle, sunscreen, bug repellent, etc.

Tuesday April 12

7:45 Registration begins at UW-Platteville, Markee Pioneer Student Center, University Room

8:00 Welcome and workshop overview

8:15 A welcome to the driftless region

9:00 How streams work

9:25 Biological consequences of habitat fragmentation

10:00 Break

10:15 Fisheries of the driftless region

10:45 How road crossings affect streams

11:10 Long-term costs and benefits of stream-friendly road crossings

11:30 Lunch, Pioneer Student Center (meal voucher provided for on-site dining—many options)



12:30 Inventory, assessment and prioritization

1:30 Depart for field

2:00 CTH O crossings over tributary to Little Platte River

2:30 Depart

3:00 Arrive at Rock Road over Snowden Branch

-Site assessment

-Erosion control

-Reference reach and bankfull identification

-Biological assessment

4:45 Depart for Markee Pioneer Student Center

Wednesday, April 13

- 8:00 Municipal road projects—permits and exemptions
- 8:30 Municipal road projects—best management practices
- 9:00 Stream crossing design & exercises: Part 1
- 10:00 Break
- 10:15 Stream crossing design & exercises: Part 1 (continued)
- 11:45 Lunch, Pioneer Student Center (meal voucher provided for on-site dining—many options)
- 1:00 Depart for field
- 1:15 Main Street over tributary to Little Platte River
 - Identify reference reach, conduct pebble count, measure bankfull dimensions
 - Survey channel profile, cross-sections, and culvert and road
 - Design checklist
- 3:45 Depart
- 4:00 Restored road-stream crossing
- 4:45 Depart for Markee Pioneer Student Center

Thursday, April 14

- 8:00 Road-stream crossing construction
- 8:30 Stream crossing design and exercises: Part 2
- 10:00 Break
- 10:15 Sources of funding
- 10:25 Putting it all together
- 11:30 Lunch, Pioneer Student Center (meal voucher provided for on-site dining—many options)
- 12:30 Introduction to computer aids and analysis regarding aquatic connectivity—HEC-RAS modeling, FishXing modeling, ArcView Watershed Prioritization Toolbox, and Surface Water Data Viewer
- 2:00 Wrap-up and conclusion



Meet Your Instructors

Ryan Arnold, Storm Water and Erosion Control Engineer, WisDOT
Matt Diebel, Water Quality Modeler, WI DNR
Mark Fedora, Supervisory Hydrologist, Ottawa National Forest
Bobbi Jo Fischer, Environmental Review Specialist, WI DNR
Jeff Hastings, Project Manager, Trout Unlimited
Dale Higgins, Hydrologist, Chequamegon-Nicolet National Forest
Mike Miller, Stream Ecologist, WI DNR

Maureen Millmann, Local Roads Policy Coordinator, WI DNR
Austin Polebitski, Environmental Engineer and Professor, UW-Platteville
Jon Simonsen, Environmental Review Specialist, WI DNR
Brad Sims, Fisheries Biologist, WI DNR
John Voorhees, Senior Water Resources Engineer, AECOM

General Information

Fees & Cancellation Policy

The workshop is \$75 per person and includes break snacks and beverages, lunch on Tuesday, Wednesday, and Thursday, a workshop binder with handouts, and CD. Payment can be made with a credit card or check via the registration link.

If you cannot attend, please notify us by April 8th and we will refund your fee. After April 8, there will not be any refunds given. You may enroll a substitute at any time before the workshop starts. Refunds will not be given for no-shows.

Workshop and Parking Locations

Please park in a non-metered parking spots in parking lots 9 or 26 (P9 and P26 on the map). Once parked, please stop at the Information Center on the main floor of the Markee Pioneer Student Center. Let the receptionist know you are with the Road-Stream Crossings Workshop and that you are picking up your parking passes (included in the registration fee). Please follow the instructions on the pass. Save the remaining passes for Wednesday and Thursday.

The classroom sessions will be held in the University Room of the Markee Pioneer Student Center ('X' on the map) on the UW-Platteville campus. Field sessions will leave and return to the Markee Pioneer Student Center.

For more detailed directions Google: "UW-Platteville". On UW-Platteville's main webpage in the search box enter "Markee Pioneer Student Center". Under Quick Links choose the [Parking and Directions](#) link.

Accommodations

A block of rooms have been reserved for workshop participants at Country Inn, 630 South Water Street and Super 8, 100 Hwy 80-81 S in Platteville (L1 and L2 on the map). The rooms will be held until March 25. Please make your reservation early by calling the Country in at (608) 348-7373 or the Super 8 at (608) 348-8800. Please tell the reservation clerk that you would like to reserve a room under the "Road-Stream Crossings" block.

How do I Enroll?

Class size is limited to 45 participants. Please enroll by April 8, 2016.

To enroll use hyperlink: [The Road-Stream Crossings Workshop](https://uwplatteville.ungerboeck.com/prod/emc00/register.aspx?OrgCode=10&EvtID=6687&AppCode=REG&CC=116012179660) or the address: <https://uwplatteville.ungerboeck.com/prod/emc00/register.aspx?OrgCode=10&EvtID=6687&AppCode=REG&CC=116012179660>

For registration questions and help please contact the Office of Continuing Education at 608-342-1305 or 888-281-9472

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