

Agenda

Presented by Steven D. Trinkaus

Low Impact Development Day One

Thursday, April 22, 2021 | 10:00 am - 2:00 pm CDT (including two 10-min. breaks)

Understanding and Implementing Principles of Low Impact Development (LID)

- Urban environment and water quality
- Conventional development and stormwater management
- Drawbacks of conventional approaches
- Origins of LID
- Principles and benefits of LID

Low Impact Development Hydrology Considerations

- Water cycle and site hydrology
- Defining hydrologic principles for LID
- Identifying regional hydrologic considerations
- Evaluating hydrologic outcomes
- Hydrologic tools for LID

Low Impact Development Site Planning

- Incorporating LID into common land development projects
- LID site planning tools
- Environmental Site Design (ESD)

Low Impact Development Day Two

Friday, April 23, 2021 | 10:00 am - 12:45 pm CDT (including one 10-min. break)

Low Impact Development Structural BMPs

- Choosing and designing best BMPs
- Site investigation
- Bioretention systems
- Dry swales
- Permeable pavements (porous asphalt, porous concrete, interlocking paver systems)
- Infiltration basins, trenches, underground systems
- Rain barrels
- Green roofs

Low Impact Development Economics, Construction and Maintenance Considerations

- Construction specifications
- Maintenance requirements

Low Impact Development Resources

- Incorporation of LID into land use regulations
- LID model ordinances

Low Impact Development

Online - Thursday, April 22 and Friday, April 23, 2021

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Learning Objectives

You'll be able to:

Identify the drawbacks of conventional approaches to stormwater management.

Explain the principles and benefits of low impact development (LID) strategies.

Explain the science of the water cycle and site hydrology, as a foundation to understanding the objectives of low impact development.

Describe the process of low impact development site planning.

Identify structural best management practices, such as bioretention systems, dry swales, permeable pavements, infiltration basins, rain barrels and green roofs.

Discuss the economics, construction and maintenance considerations of low impact development projects.



HalfMoon Education Online Learning

Low Impact Development

Live, Interactive Webinar Series

Thursday, April 22 and Friday, April 23, 2021



Understand the principles of low impact development (LID)

Evaluate hydrologic tools and considerations behind LID

Explain principles of LID site planning

Understand LID structural best management practices (BMPs), including rain barrels, bioretention systems, green roofs, and permeable pavements.

Analyze the economics, construction and maintenance of LID projects

Continuing Education Credits

Professional Engineers
6.0 PDHs

Architects
6.0 HSW CE Hours

AIA
6.0 LU | HSW

Landscape Architects
6.0 HSW CE Hours

LA CES
6.0 HSW PDHs

Floodplain Managers
6.0 ASFPM CECs

International Code Council
.6 CEUs (Sitework)



Faculty

Steven D. Trinkaus *Trinkaus Engineering LLC*
Mr. Trinkaus is an internationally-recognized expert in the field of low impact development (LID), having presented at many American Society of Civil Engineers/ Environmental & Water Resource Institute (ASCE/EWRI) international conferences and many other regional conferences and workshops on LID and water quality issues. He was an invited speaker by the Water Resources Agency in Taichung, Taiwan, presenting a 12-hour workshop on LID in December of 2011. Mr. Trinkhaus has been an invited presenter and consultant multiple times on storm water and LID in China and South Korea since 2013. He has designed LID retrofits in Zhenjiang, China. He was reviewed and edited LID reports by Pusan National University and Land & Housing Institute in South Korea.

Mr. Trinkaus has written LID Design Manuals for the Towns of Tolland, Plainville, Harwinton, Morris, and East Granby, Connecticut. He has designed many types of LID treatment systems for a variety of residential and commercial applications. Mr. Trinkaus is chair and primary author of the EWRI Filter Strip/Bioswales Task Committee. He is a licensed professional engineer in Connecticut and Maryland. He received a bachelor of science degree in Forest Management in 1980 from the University of New Hampshire. Mr. Trinkaus has more than 39 years of experience in the land development field and more than 19 years of experience designing low impact development treatment systems and ten years writing LID regulations and design manuals.

Webinar Information

Day One: Thursday, April 22, 2021
10:00 am - 2:00 pm CDT (including two 10-min. breaks)

Day Two: Friday, April 23, 2021
10:00 am - 12:45 pm CDT (including one 10-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

How to Register
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• Mail-in or fax the attached form to 715-835-6066
• Call customer service at 715-835-5900

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Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Additional Learning

Introduction to Green Infrastructure
- Wed, Mar 17, 2021 | 11:00 am - 2:30 pm CDT
Stormwater Best Management Practices
- Thurs, Mar 18, 2021 | 11:00 am - 2:30 pm CDT
- Thurs, Mar 25, 2021 | 8:30 am - 5:00 pm CDT

Bioretention System Design
- Fri, Mar 19, 2021 | 10:00 am - 12:00 pm CDT
Slope Stabilization and Landslide Prevention
- Fri, Mar 26, 2021 | 8:30 am - 3:30 pm CDT

Pavement Design
- Fri, Mar 19, 2021 | 9:00 am - 4:30 pm CDT
Threats to Trees
- Fri, Mar 26, 2021 | 9:00 am - 4:30 pm CDT

Urban Planning and Design for Electric Bikes and Scooters
- Mon, Mar 22, 2021 | 9:30 am - 4:30 pm CDT
Handling Ethical Issues in Construction Contracting
- Fri, Mar 26, 2021 | 10:00 - 11:00 am CDT

Passive House: Planning and Design
- Tues, Mar 23, 2021 | 8:30 am - 4:30 pm CDT
Fire-Resistant Landscapes and Construction
- Tues, Mar 30, 2021 | 10:00 am - 5:00 pm CDT

Considerations for Acquiring and Developing Brownfields Properties in the US
- Tues, Mar 23, 2021 | 1:00 - 4:00 pm CDT
Prairie Restoration
- Wed, Mar 31, 2021 | 9:30 am - 4:30 pm CDT

Ethical Issues in Land Access and Development
- Wed, Mar 24, 2021 | 10:00 - 11:00 am CDT
For more information and other online learning opportunities visit:
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Continuing Education Credit Information
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The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The Association of State Floodplain Managers has approved this event for 6.0 CECs for Certified Floodplain Managers. ASFPM approval qualifies this course for Texas floodplain managers.

The International Code Council has approved this course for .6 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

Low Impact Development
Live, Interactive Webinar Series - Thursday, April 22 and Friday, April 23, 2021

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Tuition	
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