

National Low Impact Development Student Design Competition

This national competition invites students and academic programs to submit design and planning problems and solutions that respond to the innovative and creative use of low impact development techniques in the built environment. Students, in groups or as individuals, and the academic programs in which they are enrolled, are eligible to receive monetary awards if selected. Winning entries, consisting of three boards, will be displayed at the National Low Impact Development Conference in Washington, D.C. September 21-23, 2004.

Register by **August 17, 2004.**

Submitted work must be received by **September 17, 2004.**

What is LID?

Low Impact Development (LID) is an integrated site design approach for addressing hydrologic and environmental impacts often associated with conventional land development. Developers and builders can save money and reduce environmental impacts in a practical manner utilizing LID techniques and practices (some of which are listed here). LID practices include grading minimization, impervious area disconnections, preservation of landscaping and topography, increasing flow lengths, lengthening the time of concentration, and increasing opportunities to mimic pre-existing hydrology. Explore the links below for more information on LID.

Objectives

The competition, drawing on the theme of the [National Low Impact Development Conference](#) in Washington, D.C. September 21-23, 2004, is an opportunity for students to engage in Low Impact Development design and planning. The competition goals are to:

- engage in environmental stewardship
- investigate integrative technologies in sustainable design
- compete for scholarships and
- learn about innovative sustainable techniques.

Winning entries will be displayed at the [National Low Impact Development Conference](#).

Eligibility

This competition is open to all full and part-time accredited university students of any discipline including architecture, civil engineering, landscape architecture, environmental science, planning and urban design. Students must be registered during the 2004 summer semester or fall session. Submissions may be made by

individuals or groups. The number of members in each participating group should not exceed three (3).

Registration

Register by August 17, 2004. Entry form must be received by fax by midnight August 17, 2004 or postmarked by August 17, 2004.

Ownership

Submitted entries are the property of Prince George's County.

Faculty Involvement

Students must obtain the signature and sponsorship of a full time faculty member of the undergraduate or graduate educational institution from which they have been a full or part time student during the 2004 summer semester or fall session of 2004 at the time the submission is submitted.

Picking a Problem

Entrants should identify a landscape site on your campus that would benefit from the application of Low Impact Development techniques and should utilize the campus environment to explore opportunities to use any LID techniques. The competition encourages entrants to integrate their submission with any green campus initiatives that a growing number of universities have undertaken that may include LID applications.

Entrants are encouraged to explore designs and plans that take holistic "water-centric" approaches (e.g., grey water reuse, runoff management, building architecture, multifunctional landscaping, alternative pervious/impervious surfaces, amended/fluffed soil for stormwater storage, etc.) that provide for total stormwater management and site integration.

Site Requirements

Sites included in the submission must be located on a university or college campus. Students may use any university or college campus and may use supporting information (e.g. Cad drawings) obtained from campus agencies to provide base and technical information for the submission. Students may also draw upon campus master plans and policies to support the proposed submission.

Design Entry Requirements

Submission shall be three (3) boards. The intent of Board One is to convey the problem or opportunity at the campus scale. The intent of Board Two is to convey the problems or opportunities of focus area(s). The intent of Board Three is to convey the design solution for the focus area(s).

Board One (1):

- Introduction to problem at the campus scale (area of campus)
- Plan of campus area and description of issues/areas related to LID
- Supporting inventory and analysis at campus scale related to LID
- Supporting text and photographs and other methods to convey issues related to LID at the campus scale

Board Two (2):

- Introduction to problem of the focus area or focus areas
- Plan of focus area(s) and description of issues/areas related to LID
- Supporting inventory and analysis at focus area scale related to LID
- Supporting text and photographs and other graphic methods to convey issues related to LID at the focus area(s) scale

Board Three (3):

- Proposal of solution(s) for the focus area(s).
- Plan of focus area(s) and description of issues/areas related to LID
- Supporting images, photographs, illustrations, tables, charts, etc., to communicate solution to the problem identified on Board Two (2)
- Supporting text to convey solution(s) to identified problem

Board Specifications

Each board shall be 24" x 36" and orientation may be portrait or landscape. Drawings must be mounted on 24" x 36" foam core or other stiff, lightweight mounting board, to form (3) three 24" x 36" panels. All text and explanatory information must be in English.

All three boards are to be submitted anonymously with no identifying information. An opaque, sealed envelope shall be attached to the back of each of the boards. The envelopes must contain the competition entry form with the approved registration number.

Entries must also include a minimum of three and a maximum of ten JPEG format electronic image files or PowerPoint slides on a CD of the project submission. JPEG images must be a minimum of 4" x 5" and 150 dpi resolution and will be used as part of the judging.

Evaluation

Submissions will be judged by:

- Creativity and innovative use of LID techniques
- Demonstration of the integrative use of LID techniques
- Effective communication of problem and solution
- Thoroughness of submission

Jurors

Jurors will include a diverse group of individuals involved in Low Impact Development.

Awards

Judges can award up to seven (7) group submission awards and seven (7) individual submission awards for a total of fourteen (14) awards. A monetary award is provided for the team or individual **and** the participating educational program. A maximum of three awards will be allowed to any participating educational program. If more than three submissions are submitted from an individual academic program the competition committee will short list three to be considered by the competition jury. Judges reserve the right not to award in any award category.

Award #	Group	Program	Individual	Program
1	\$4500	\$4000	\$2250	\$2000
2	\$4100	\$3600	\$2050	\$1800
3	\$3700	\$3200	\$1850	\$1600
4	\$3300	\$2800	\$1650	\$1400
5	\$2900	\$2400	\$1450	\$1200
6	\$2500	\$2000	\$1250	\$1000
7	\$2100	\$1600	\$1050	\$800

For more information and registration forms:

Email: lidcompetition@umd.edu

Telephone: (301) 405 4359

Fax: (301) 314 9308

Visit the web site for more information and a registration form

<http://www.larch.umd.edu/LIDSITE/index.htm>