

Silver Park Design Competition Information Document

Introduction

The Silver Park Design Competition is a joint venture of the Timber Framers Guild (TFG) and the International Log Builders Association (ILBA) to support the development of Silver Park, a new 14½-acre park along the Clark Fork River just across from downtown Missoula. This park was an old mill site now being converted to recreation. The park's theme is the heritage of wood in Western Montana. The Missoula Redevelopment Agency (MRA) is the project sponsor and host.

The design competition described in this document is for three (3) park bench shelters. **One log structure and two timber frame structures will be selected for construction.** The structures will have ADA-compliant layout and seating. They will be built during two separate workshops hosted by the ILBA and TFG in April 2008.

Benefits to Participants/Award

The Design Competition is offering awards of \$500 each to the three entries selected for construction. The design awards are being sponsored by three local Missoula, Montana, engineers who offer log and timber frame engineering: They are Apex Engineering Services, Inc. of Bozeman; Beaudette Consulting Engineers of Missoula; and Fearless Engineers, PLLC of Missoula.

In addition to the \$500 monetary award, the award-winning designs will be recognized in several ways. The winning designs will be published in the TFG and ILBA newsletters and on their websites. There is a potential for the winning designs to be published in a design monograph. In addition, there will be public recognition given to the design competition winners at both organizations' conferences to be held in April 2008. Winning designs will be built at the ILBA conference (April, 2008) and in Missoula just prior to the TFG conference (April 14-16, 2008).

Local TFG member Jennifer Anthony obtained funding from MRA to secure materials salvaged from an old mill site as well as sinker logs salvaged upstream at the Blackfoot River, to be used for a large pavilion at the main park entry and for three different log and/or timber structures. The design for the main pavilion is underway. In addition to the TFG, ILBA, and MRA, we are working with local and regional firms to provide support for the design competition.

Design Competition Objectives

- to produce a creative and workable design for Silver Park in keeping with the park theme
- to provide recognition for timber frame and log design, in general, and
- to provide recognition for the winning designs within the TFG, ILBA, and Missoula communities

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Eligibility

The Silver Park Design Competition is open to everyone. You do not need to be a TFG or ILBA member to participate. Designs can be submitted by individuals or by teams.

Competition Jury

The design jury will consist of

- 4 members of the Silver Park Design Board
(1 Parks and Recreation, 1 Silver Foundation, 1 MRA, and 1 developer)
- 2 TFG representatives
- 2 ILBA representatives
- 1 local architect

Selection Criteria

Each design will be judged on the following criteria: overall aesthetic design, creative use of materials, originality and how well they meet the design parameters listed below. Judging will be conducted anonymously.

Design Competition Parameters

Design Values

- Code: 2006 IBC
- 30 psf roof snow (no reduction allowed for pitch)
- Wind 90 mph exposure C
- Seismic per 2006 IBC- site class D- no snow required in calculation of W

Materials available

- **Timbers** – recycled Douglas fir reclaimed from old mill site – #2 grade or better 4x6, 6x8, 6x12, 8x8 (resizing allowable).
- **Logs** – sinker logs salvaged from Bonner Dam; mixed spruce pine and fir; rustic grade.
10"-14" diameter for log columns, walls and/or structural roof as desired.
- **Decking** – assume 2X rustic recycled material. Source yet to be determined.

Structures

- Be built primarily of log and/or timber frame construction, with traditional wooden joinery. Steel connections, other than base connection, shall be avoided.
- Have a roof that will provide shade and shelter. (Roofing material to be rusted metal or earth-tone material – to be approved by design committee.)
- Be no taller than 12'.
- Columns or walls are limited to extend a maximum of 2' beyond a concrete pad of 10'x10' with the roof drip line no more than 4' from any edge of the pad. Columns or walls may also be within the pad. Drip line shall extend at a minimum to pad edge.
- Not have solid walls that could collect debris or conceal inappropriate activities.
- Enhance the social nature of the park.
- Not impede the planned or existing traffic patterns of the park.

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- Have a view of the river and park.
- Have no interior lighting.
- Be finished with appropriate wood finish. Colors will be limited to natural or earth tones. Decoration shall be limited to carving and celebration of joinery.
- Be compliant with all local, state and federal regulations, including ADA requirements.
- Be structurally sound, easy to maintain, and easy to repair.
- Provide lateral restraint in one of the following ways:
 1. Have a minimum of two 12" diameter log columns with a base moment connection to be provided by project engineer (no other lateral support required).
 2. Three (3) or more columns of log or timber construction with pinned base connection to be provided by project engineer, and knee or full braces to resist lateral loading.
 3. Have log walls pinned for lateral forces and attached to foundation per project engineer.
 4. Other ideas may be negotiated with the project engineer.
- Be reviewed by Project Structural Engineer

Seating

- Encourage and enhance socialization
- Allow the seating of three to six persons.
- Comply with all local, state, and federal regulations.
- Have ADA compliant clearances, dimensions, and arm rests.
- Not allow anyone to sleep on the seating units.
- Be permanently attached to the foundation.
- Be within the concrete pad of each unit.
- Consider service life, vandalism, and maintenance.
- Consider and address debris collection points, finger trap and pinch points, safety concerns.
- Be reviewed by the project Structural Engineer

Structure and seating can be integrated with each other providing all other qualifications have been met.

Attachments at the TFG website

- ADA document
- Silver Park PowerPoint presentation
- Google Earth map link
- Silver Park map
- Selected photographs
- Registration Form

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Submission Requirements

All designs must be submitted in electronic format in a PDF file accompanied by a registration form no later than end of day 11/15/07. The registration form is available on the TFG and ILBA websites. Presentation shall be at ½ inch per foot scale and formatted to be printed on 11" x 17". No company logos or names shall appear on the PDF printout(s) to identify entrant, as the competition is anonymous. No hard copy designs will be accepted. There is no entry fee and no limit on the number of entries per individual or team. Please identify your PDF file in the following way: "Last name_Silver Park Design Competition."

As part of submitting your design to this competition, you agree to allow the ILBA, TFG and MRA the right to build your design on one time basis as identified below under "April 2008 Construction" and to allow us to publish your design as part of an upcoming design monograph. All submitted designs remain the property of the individual designer or team of designers. Engineering design for selected structures is site specific and may not be used for any other sites.

Schedule

- ✓ **August 15, 2007 – Announcement** in TFG website and newsletter (*Scantlings*), ILBA newsletter and website, and local Missoula outlets.
- ✓ **November 15, 2007 – Design submission deadline.** Registration forms with PDF files of schematic drawings should be received electronically no later than end of day 11/15/07.
- ✓ **December 2007 – Announce winners December 2007.** Winners will be announced via personal phone call from key TFG and ILBA leaders, and receive a formal letter. In addition, winning designers and designs will be featured in ILBA and TFG newsletters and websites, and MRA Public service announcements.
- ✓ **February 1 – Detailed production drawings/plans.** Fearless Engineers will provide Engineering Design and Stamp.
- ✓ **April 2008 construction:**
 - April 1-2 – 1 shelter built at ILBA pre-conference workshop in Whitefish.
 - April 14-16 – 2 structures built at a TFG sponsored workshop in Missoula at Ogren Park (adjacent to Silver Park) just prior to the TFG Western Conference in Coeur d'Alene, Idaho.
 - Additional structures to be constructed in Silver Park at a future date (to be determined) may be selected by the Competition Jury.

All structures will be erected on site along the Clark Fork River Trail in Silver Park, Missoula, Montana, at the conclusion of the Missoula workshop.

Questions?

Please direct any questions about the Silver Park Design Competition to Maureen Blackwell at 540-937-3941 or maureen@tfguild.org; or Joel McCarty at 603-835-2077 or joel@tfguild.org.