

# Lean Construction: *Reforming Project Management*

## What is Lean Construction?

Lean construction is a new way to design and build capital facilities. Informed by developments in production theory and practice in manufacturing, Lean Construction has produced significant improvements particularly on complex, uncertain, and quick projects. **“Introduction to Lean Construction”** explains the underlying theory, essential features, components, tools, and techniques of a new project delivery system.

- “Control” is redefined from “monitoring results” to “making things happen.” The performance of the planning and control system is measured and improved.
- Efforts to manage and improve performance at the activity or contract level are balanced by a system designed to maximize creation and delivery of value, starting with work flow reliability.
- Project Delivery is the simultaneous design of the facility and its production process. Positive iterations are supported and negative iteration reduced.
- Work is structured throughout the project to support reliable and speedy workflow.
- Value to the customer is defined, created, and delivered throughout the life of the project.

The Lean Project Delivery System emphasizes the reliable and speedy delivery of value. It challenges the belief that there is always a trade between time, cost, and quality.

## Coming Events

### *Introduction to Lean Construction*

**8am–4:30pm, Thursday, October 5**

- Introduction of LCI and instructors
- A new look at a troubled industry
- The Dice Game - An exercise in flow management
- The Last Planner System of Production Control
- The Lean Project Delivery System: an overview

**8am–4:30pm, Friday, October 6**

- Metal Doors: A Case Study
- Work Structuring
- The Lean Project Delivery System: A closer look
- Implementation
- Putting it all together.

## About the Lean Construction Institute

LCI was formed in August 1997. Now a nonprofit corporation, we are working to develop knowledge concerning the management of production in the design, engineering, and construction of capital facilities, and to support implementation of the results. We conduct research with contributors and our own staff, and we fund research by faculty in related universities.

For more information on The Lean Construction Institute, please visit our web site at: [www.leanconstruction.org](http://www.leanconstruction.org)

## Who Should Attend?

Lean construction is not a productivity improvement program. Instead, it is a *new form of project management that applies production management principles to the process of designing and building*. The seminar introduces lean theory along with essential features and tools needed to manage production throughout the design and construction process. Typical attendees represent companies looking beyond partnering or TQM to redesigning their processes to support design/build contracting. We suggest designers, contractors, and suppliers considering this approach send two representatives—a senior executive, such as the Operations Manager, and a person very close to the work, such as a site superintendent foreman or shop manager. Owners send facilities and/or procurement managers and their construction managers. Suppliers to the industry will discover new ways to improve their products and services. After the seminar, attendees are interested in learning more and applying lean to their projects or they are not. Some may decide to join LCI to support further research, including participation in implementation; others begin implementation on their own or with consulting support. We return the seminar fee to those who see no value in the ideas or from the seminar.

# REGISTRATION INFORMATION

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_

## Introduction to Lean Construction:

\$1,200 (\$400 - LCI Contributors, and their demand and supply chain affiliates); 10% off for additional attendees; 10% off registrations received 30 days before seminars.

Registration Payment by check, Visa or Mastercard. Include Card Number, cardholder name and signature.

Send to: Lean Construction Institute  
Box 1003  
Ketchum, ID 83340  
Ph: 208/726-9989 Fax: 707/248-1369  
www.leanconstruction.org  
Lean@micron.net—Send us a note and receive announcements by email.

## Meeting Location

Sheraton Four Points @ Chicago O'Hare Airport  
10249 W. Irving Park Road  
Schiller Park, IL 60176  
**(847) 671-6000**

*Please contact the hotel directly for accommodations.  
Ask for the Lean Construction Institute special rate.*

A continental breakfast is provided at 7:30.

Sessions begin at 8:00 and close each day at 4:30.

A Workbook, Lean Reader, breaks and lunch are provided.

Cancellation: Accepted and fee refunded until 2 weeks before seminar, \$150 cancellation fee thereafter.

“The first really new ideas in project management in a long, long time”

**Lean Construction Institute**  
Building knowledge in design & construction  
P.O. Box 1003 • Ketchum, Idaho 83340  
VOICE: 208.726.9989 • FAX: 707.248.1369



Reforming  
Project Management



**Lean Construction Institute**  
A n n o u n c e s

# Introduction to Lean Construction

*A new way to manage designing and building*

October 5 & 6, 2000 • Sheraton Four Points @ Chicago O'Hare Airport