

## Lean Construction Education Program



Instructor:  
**Art Winslow**

### AGC LCEP Units 1 & 2 – presented by Art Winslow, Graham Construction

The Lean Construction Institute of Canada (LCI-C) is dedicated to transforming the building industry in Canada by changing how projects are planned, designed, managed, and constructed, in all forms of project delivery.

*Lean principles, when utilized in construction, can help deliver projects more efficiently, while enhancing productivity, and improving profitability throughout the construction project. Lean Construction has demonstrated its ability to minimize costs and maximize value for all project participants.*

To help the Canadian building industry learn more about Lean construction, and to foster a new culture of continuous improvement in the planning, design and construction industry, LCI-C is pleased to offer AGC's Lean Construction Education Program, being presented by Art Winslow of Graham Construction.

### Session Information

*Registration begins at 8:15 a.m.!*

**Date:** Tuesday, November 28<sup>th</sup>  
**Time:** 8:30 a.m. - 4:30 p.m.

**Location:** NLCA Office - Classroom  
397 Stavanger Drive, Suite 202  
St. John's, NL

**1 Gold Seal Credit Upon  
Successful Completion.**



### Course Cost Per Person (plus hst)

\$590.00

- 300.00 amt. subsidized by Canada Job Grant\*

**\$290.00\* Member Cost** (plus hst)

**Course is limited to ONLY 15 SEATS!\***

Course cost includes 2 manuals (\$100/each)

### Registration Information

Company Name

Phone

Name #1

Email

\*amount subsidized is available to members of NLCA only. Non-members may register at the full course cost.

**Total hst incl:**

### Payment Information

\*Refund deadline: November 17<sup>th</sup>, 2017.

CARD NUMBER: \_\_\_\_\_ EXPIRY: \_\_\_\_\_



NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

OR please make cheque payable to Newfoundland & Labrador Construction Association

## Lean Construction Education Program

### Session Details

#### Unit 1 – Variation in Production Systems

This Unit is an introductory course of the Lean Construction Education Program, and introduces the concept of variation, and how it impacts the construction process. This half-day course will provide attendees with the ability to:

- Define different types of variation in project delivery
- Explain the concept of throughput
- Distinguish between ‘throughput’ and ‘works in progress’
- Describe the role of variation in production operations
- List sources of variation in construction settings
- Differentiate and explain variation mitigation techniques

#### Unit 2 – Pull in Production

This second Unit of the Lean Construction Education Program explains the concept of ‘pull’ as a means to enhance and improve workflows. Attendees, following the successful completion of this course, will be able to:

- Compare batch-and-queue and continuous-flow production systems
- Distinguish between ‘push’ and ‘pull’ systems
- Describe the impact of ‘pull’ on production systems
- Explain how ‘pull’ strategies can be utilized in construction operations

***Units 1 & 2 represent a full-day course. Upon successful completion, participants are entitled to apply for one (1) Gold Seal credit, and can apply the completion of Units 1 and 2 to the 7-Unit AGC Certificate of Management – Lean Construction (CM-Lean).***