

Planning Effort and Consequence at Site Management Level



**Lean
Construction
Institute**
Transforming Design and Construction

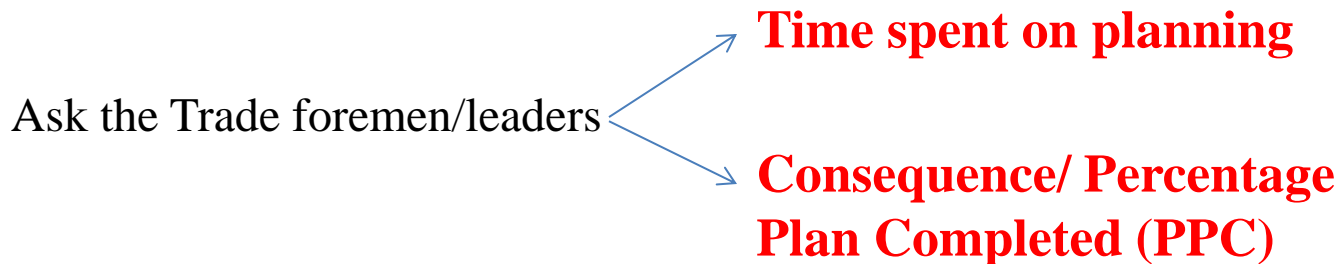
NC STATE UNIVERSITY

**LCI Carolinas meeting
Durham, NC
April 17, 2014**

Objective

- This Survey is part of a research conducted by Lean Construction Institute and North Carolina State University, entitled “**Exploring the Investment in Planning by Project Teams**”.
 - **Objectives of the research:**
 - ❑ Identify how the project specialty trades invest (time and money) on the planning (scheduling, organizing the team and coordination with others)
 - ❑ Determine the impact of various planning costs and reliability on the project productivity
-

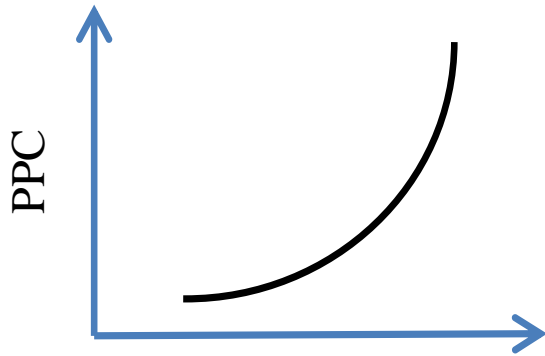
Data needed



Survey Objective

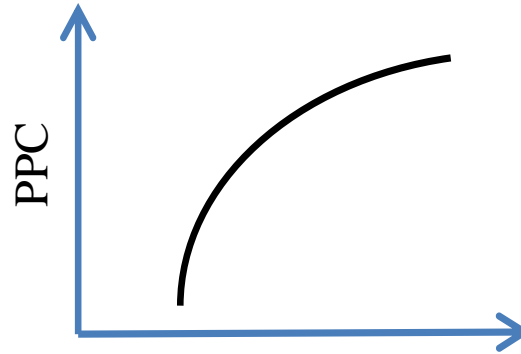
→ Survey results will tell us

- The relation between the time spent on the planning and PPC



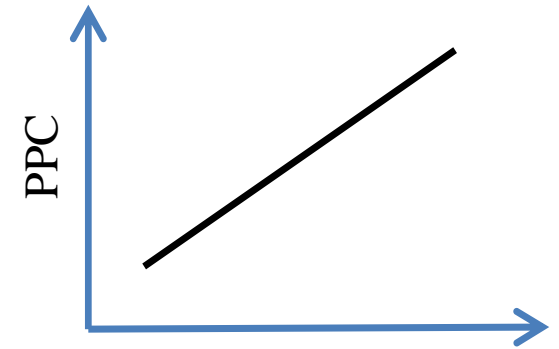
Planning Time

1 ?



Planning Time

2 ?



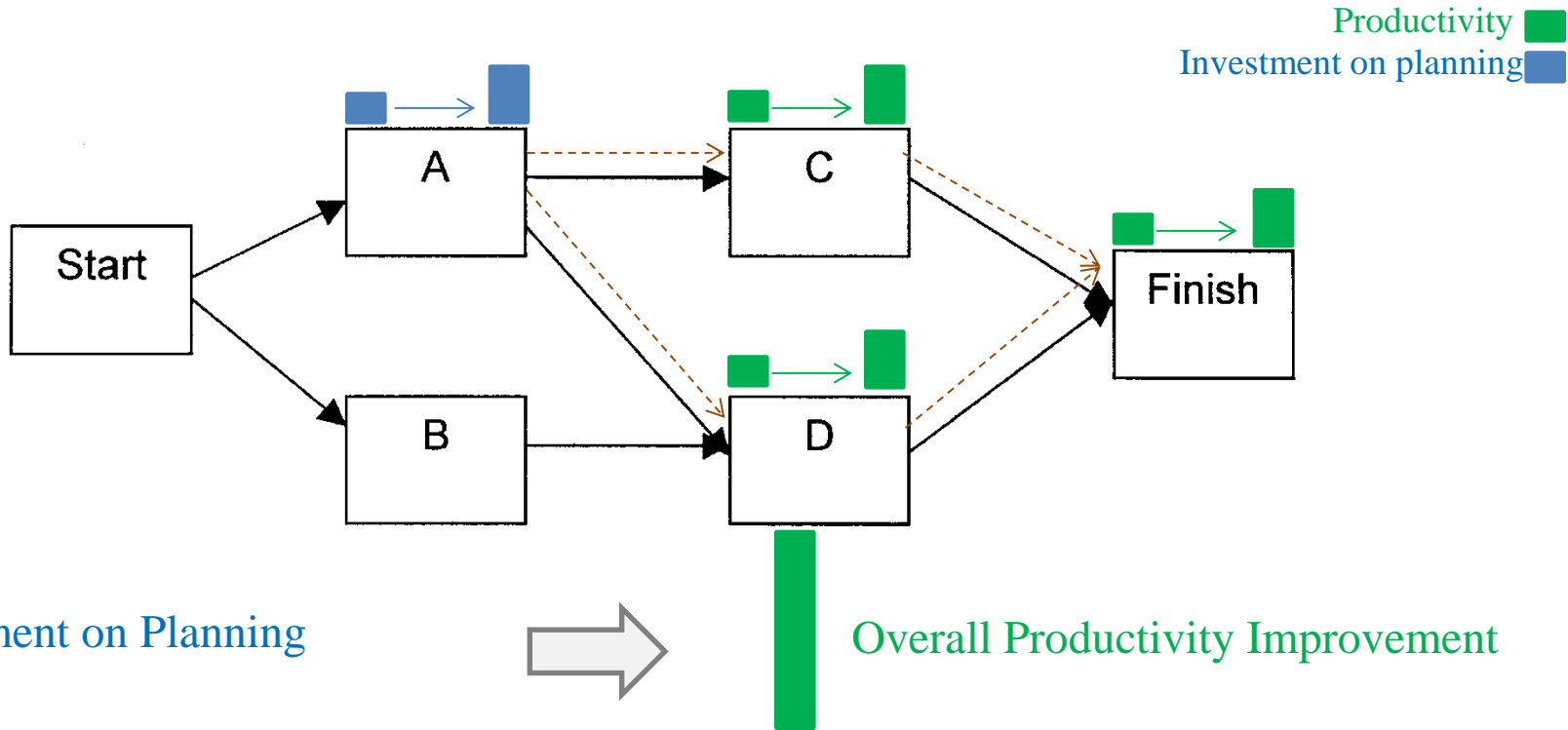
Planning Time

3 ?

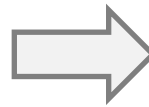
- How does the relationship change from one trade to another (or from a project to another)?

Why Important/Interesting?

We will explore how local planning effort and consequence impact globally



Local Investment on Planning



Overall Productivity Improvement

Share the results

Final product would be a **simulation tool (game)** to explore the relationship between the effort require to increase workflow reliability and the willingness of each trade to invest to maximize project performance.

We will share the results of the research with the participants.

Confidentiality

The survey result will be used for research only. All project and respondent information will remain confidential.