Construction Owners Association of Alberta
Best Practices Conference XIX
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Construction Industry Performance

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Government / Industry / Academia Partnership

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Larry Sondrol
Stephen Revay
COAA Co-Chairs
Benchmarking Committee

CII – University of Texas – University of Calgary
AGENDA

- Benchmarking Phase 2
- Initiating Productivity Committee
- NSERC Grant
PHASE 2 ROLLOUT

- Benchmarking Training Yesterday
- Workshop 12:45 – 2:15
- New questionnaires on web site
- Ready to collect data
PHASE 2 ROLLOUT

NextGen Benchmarking System

- 24/7 Data mining
- Access to more information
- Expanded and refined Key Report
Learning's from Phase 1

- Drilling down on certain metrics (indirect costs—scaffolding - Productivity at Fabrication Yard

- Construction Productivity Metrics Revisions (e.g., Instrumentation)
NEW

- Adding Metrics for Pipelines
- Support from the University of Calgary
1) Does your firm partake in any Benchmarking efforts?
   a) Yes both internal and external
   b) Yes only external
   c) Yes only internal
   d) No
2) In phase II of the COAA major projects benchmarking initiative, my company plans to input________% of our projects completing by winter 2012?

a) 100%
b) 75%
c) 50%
d) 25%
Question 3

3) What are the most important benchmarking benefits to your firm?
   a) Data provides a reality check on internal estimating
   b) Can check performance and internal and against others
   c) Access to world wide data
   d) A tool to improve overall performance
Productivity Initiative

Co-Chairs

- Dr. George Jergeas
- Steve Revay
Productivity Initiative

Mandate

Productivity ↑
Productivity Initiative

PRODUCTION

PRODUCTIVITY

ACCELERATION: INCREASED WORK WEEK, OVERMANNING, CONGESTION
Progress

Productivity Initiative

Progress to date

- Assessing Task
- Determining Best Bang for the Buck
- Getting Input from Stakeholders
Productivity Initiative

Workshop Agenda

- Introductory Comments
- Overview Productivity Alberta
  - Dr. Janaka Ruwanpura
- Stakeholder Input
WorkHour Study  CII

- **Direct Work**: 32%
- **Waiting**: 32%
- **Personal Breaks**: 4%
- **Transporting**: 4.6%
- **Drawings**: 6.4%
- **Travelling**: 13%
- **Late & Early**: 3%
- **Tools/Materials**: 7%
Question 4 Tool Time

Do you think that the time on the tools for the trades is:

a) More than 32%

b) About 32%

c) Less than 32%
Question 5 Responsibility

Whose behavior / culture do we need to change to have the greatest improvement on productivity?

a) Owner
b) Engineer
c) Construction Manager / General Contractor
d) Trade Contractor
e) Crafts
Question 6 Impact Factors

What factor has the greatest impact on productivity?

a) Fast Tracking

b) Size of Project

c) Site / Camp Conditions

d) Location