

# **Creating Distinctive Business Outcomes Through Leading Capital Project Delivery**

**The Value of CII Membership**







# Did You Know?

Your industry peers are collaborating with faculty from top Engineering and Business schools to generate game-changing, industry sector-focused research.

The **Construction Industry Institute (CII)**, based at the University of Texas at Austin, is the research and development center for the capital projects industry. CII exists to leverage capital projects to produce distinctive business results for CII's members.

CII is working closely with companies like **General Motors, Chevron** and **DTE Energy** to understand the Owner-Operator's needs and with service providers like **Jacobs, Fluor** and **Bechtel** to accelerate a project's financial returns to the owner. This unique collaboration between service providers, academics and owner-operators is what makes CII's products and services so applicable and valuable.

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Using CII Best Practices, owners & service providers reported  
**SIGNIFICANT IMPROVEMENTS** in:

**\$** costs

 schedules

 safety



CII Best Practices increase the **PREDICTABILITY & CONSISTENCY** of project performance. Gains in **PROJECT QUALITY & PRODUCTIVITY** are also realized. The CII approach creates improved business outcomes.

# CII Knows:

## Your Time Matters



- The benefits of a *Materials Management Program* result in **16% schedule improvement**.
- The use of *Planning for Start-Up* results in a **7.9% schedule improvement**.
- Implementation of *Constructability* **reduces the project schedule by 7.5%**.

## Your Budget Matters

Using CII tools and Best Practices dramatically improves the safety, schedule and cost of a capital project. For every \$1 spent of CII Front End Planning (FEP), members report a \$3-7 ROI.

Members report saving nearly \$5 for every dollar spend on CII's Advanced Work Packaging (AWP). It's tried and true: Implementing CII's Best Practices eliminates waste and improves productivity.

“It's more cost effective to assess ‘Project Readiness’ with an industry-wide tool.”

“For more than a decade, we used a home-grown tool to assess project readiness. It aligned with our stage gate approval process and took approximately 1½ FTE's just to maintain and keep it relevant. Once we realized how much effort it was taking, we decided to take a look at CII's Project Definition Rating Index (PDRI). The PDRI tools have been validated to predict outcomes and modified to fit different industry sectors. In 2015, we shifted to CII's PDRI for all of Lilly's major capital projects. Using the PDRI checklist, we are able to compare our results to the rest of the industry, and this tool allows us to create our own ‘internal’ norm, as well.”

Rex Phillips, Eli Lilly and Company

When used together, FEP and AWP reduce the cost of a \$100 million project by \$8 million.



CII's **Project Definition Rating Index** tools have a benefit/cost ratio of:

**\$24/1**

CII has a suite of **PDRI Tools:**

- Industrial
- Building
- Infrastructure
- Small Industrial
- Small Infrastructure



## Your People Matter

Use of **ZERO ACCIDENT TECHNIQUES** reduces the **Total Recordable Incident Rate** for:

**Contractors**  
↓ by **54%**

**&**

**Owners**  
↓ by **64%**

CII Member Companies lead the industry in Safety Performance.

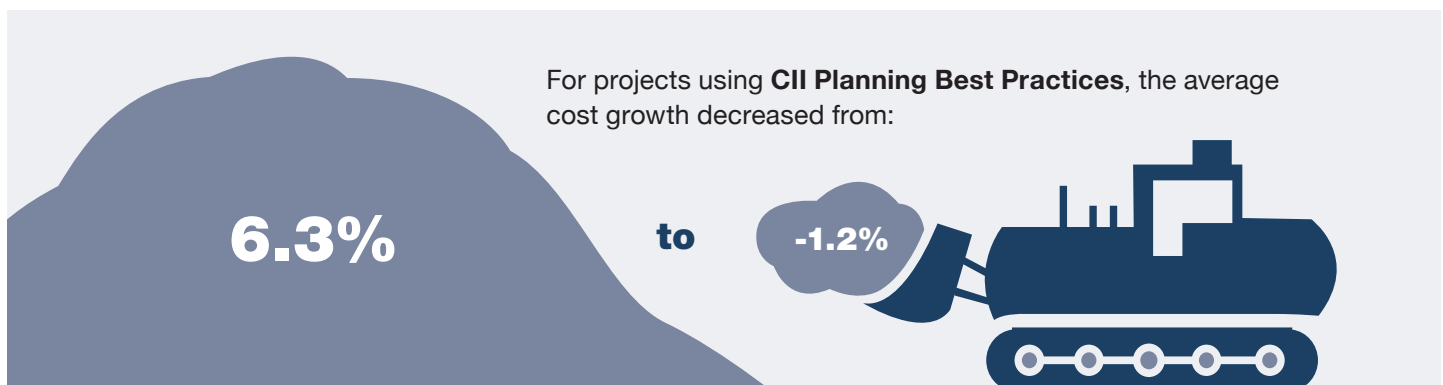
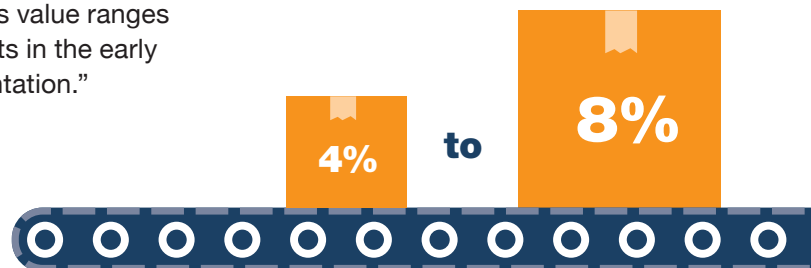


“CII’s Advanced Work Packaging is delivering immediate value to our clients.”

“We’re working with a client who has been tracking their return on investment with the use of CII’s Advanced Work Packaging (AWP) best practice. They’ve reported seeing a 4.6 to 1 return, and they’re just getting started. They anticipate that will increase significantly over the lifecycle of the project. By implementing AWP using our Work Package Server and ConstructSim solution, our clients see immediate value. This value ranges from completed projects realizing 36 to 1 savings, to projects in the early stages realizing 4.5 to 1 returns on the cost of the implementation.”

*Tannis Liviniuk, Bentley Systems*

**Supply Chain Management** can provide savings of:



# The Value of CII Membership



Collaborative forum for company-to-company & company-to-academia relationships

Smarter, more confident, better prepared, employees



Transparent methodology to measure progress

Improved capital delivery



Proven implementation toolkit

Cutting-edge industry intelligence & knowledge



## For information about CII Membership:

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