



Measuring the Impacts of Advanced Work Packaging and WorkFace Planning on Work Package and Project Performance

Overview

Advanced Work Packaging (AWP) was announced as a Best Practice by the Construction Industry Institute (www.construction-institute.org) and Construction Owner's Association of Alberta (www.coaa.ab.ca) in 2015. Benefits of this best practice have been anecdotally evidenced by many within the industry, but the statistical data to back up the claims have been more difficult to locate.

COAA, in conjunction with the NSERC Industrial Research Chair in Strategic Construction Modeling and Delivery at the University of Alberta's Haskayne School of Construction Engineering, seeks to address one of the most consistent questions received by those looking to begin or further their use of AWP – ***“What is the return on investment?”*** Four key areas will be explored based on the maturity of an AWP/WorkFace Planning (WFP) program:

**Schedule and Cost Impact
Safety**

**Quality
Cost of Implementation**

This research study provides significant opportunity for future industry knowledge advancement, and will provide tangible correlation between AWP usage / maturity and the main drivers behind project success.

Benefit to Participation and Why We Need You

The research team is looking for industry stakeholders to provide information from current or recent projects to form the data for the study. Industry stakeholders have a unique opportunity to support an initiative providing key learning and growth opportunities to the industry as a whole. Participating organizations will receive regular updates and early access to the research publications prior to the documentation being made public, providing insight into key industry opportunities, success areas and improvement areas that may be leveraged in pursuit of improved project performance.

Your Commitment

Your time and resource commitment is as follows:

- Assigned single point of contact
- Providing data points on *schedule, cost, productivity, quality, safety, and cost of implementation for your project(s)*
- Data collection: November 2016 to July 2017
- Brief introductory call and secondary interview

Confidentiality

All data will be collected by your organization's project personnel and submitted to the academic team to ensure confidentiality. All researchers involved are required to adhere to the University of Alberta's policy for research involving secondary handling of data. Appropriate safeguards are in place for the collection, use, and dissemination of data. Organizational identifiers will be removed from the data before COAA committee reviews the results.

Contact Information

For further information on this research study, please contact coaa.admin@coaa.ab.ca.