

Guide to Equitable Risk Allocation in Design-Build Projects

A Charles Pankow Foundation,
ACEC Research Institute and DBIA Collaboration

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Research Overview

- Research Objectives
- Advisory Board Members
- Research Process
- Proposed Timing and Dissemination
- Principal Investigator



Research Objectives

Topic: Evaluation of how qualifications-based and target pricing forms of Design-Build address risk and insurance challenges for the engineering and design community

Impact: Provide owners and industry members with guidance to implement alternative forms of DB in an effort to reduce risk and insurance challenges

Research Objectives

Revised Research Needs Statement

- Broadened audience for research products
- Recruited research steering committee with broad industry representation
- More clearly defined the research approach based on successfully completed CPF projects

Research Steering Committee

Role	Name and Title
Public Owner	Joe Gildner, Executive Project Director, Sound Transit in Seattle
Private Owner	Joshua Chun, Director, Capital Projects Execution and Design Engineering, Leprino Foods
Pankow Oversight	Greg Gidez, Industry Champion, Charles Pankow Foundation
Concessionaire	Matthew Girard, Group Head, Plenary Group
Designer	Greg Kelly, CEO, STV
Engineer	James Koch, Chief Operating Officer, Michael Baker
Engineer	Jay Chiglo, Transportation Alternative Delivery Director, HDR
Design-Builder	Dana Pomeroy, National Director of Design-Build, Whiting-Turner
Design-Builder	John Donatelli, President, Kiewit Engineering
Legal	David Hatem, Partner, Donovan Hatem LLP
Insurance Provider	Donna Hunt, Senior Professional Liability, Risk Strategies Co.
Academic	Bryan Franz, Associate Professor, University of Florida & Carrie Sturts Dossick, Professor, University of Washington

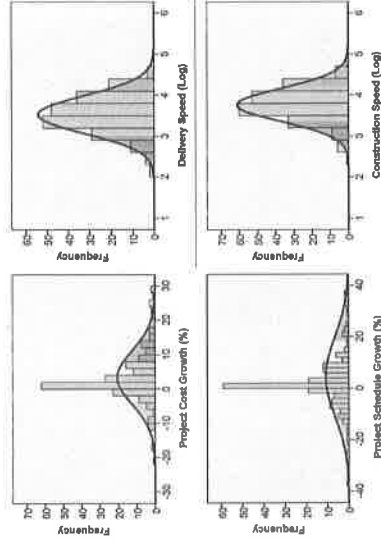
Research Process

Proven Research Approach

1. Comprehensive Data Collection
2. Completed Project Analysis
3. Best/Worst Performing Case

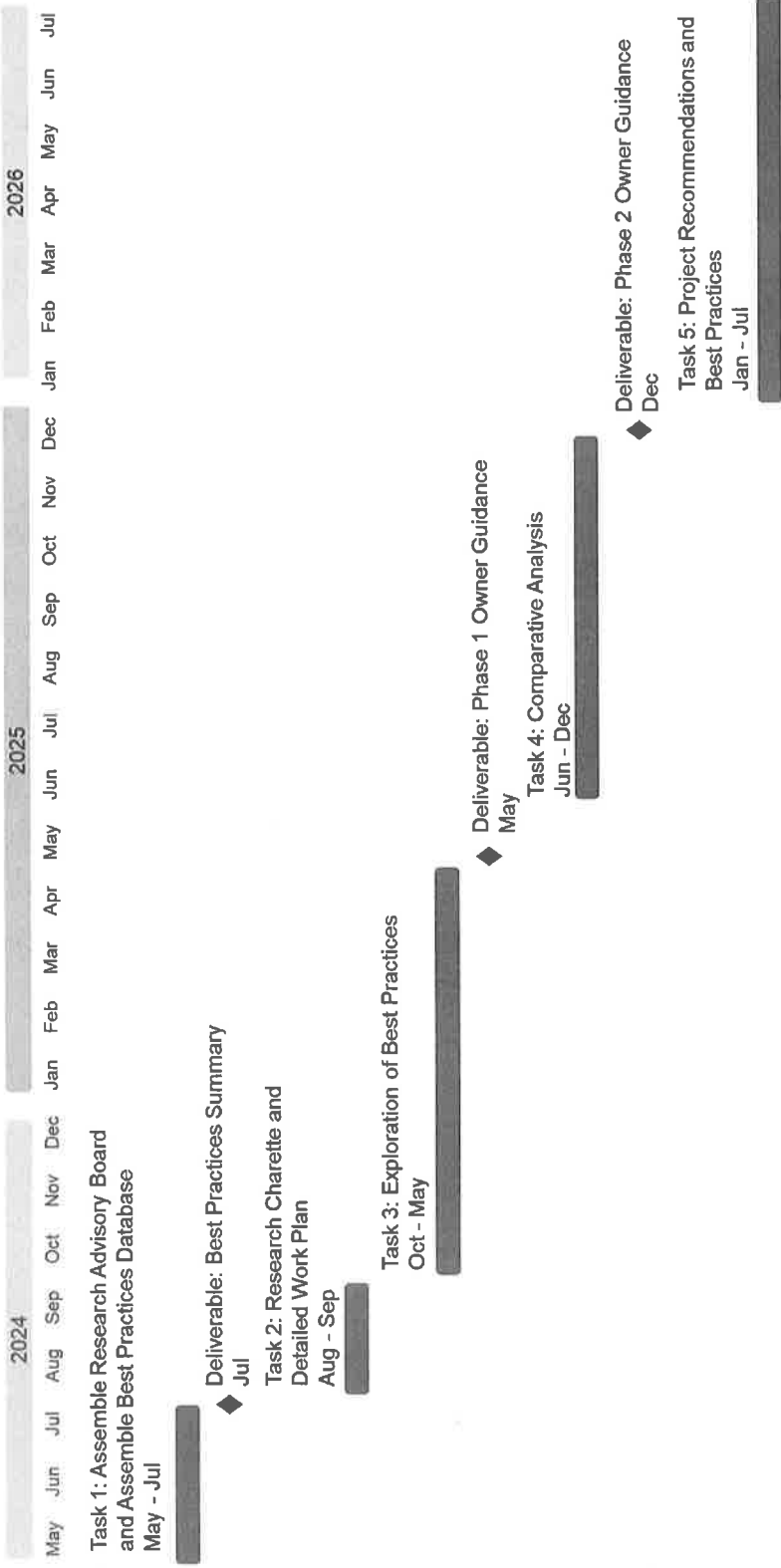
Studies

<u>Owners Agencies/Associations</u>	<u>Industry Associations</u>	<u>Research Organizations</u>
<ul style="list-style-type: none"> • AASHTO • COAA • CURT • FHWA • FTA • FAA • GSA • USACE • HEFMA 	<ul style="list-style-type: none"> • ACEC • DBIA • ALA • AGC • ARTBA • CMAA • WCDA • APPA • APWA 	<ul style="list-style-type: none"> • National Academies ○ NCHRP ○ TCRP ○ ACRP ○ BICE ○ FFC



Approach and Illustration from Pankow 02-18

Proposed Timing and Dissemination



Proposed Timing and Dissemination

Proven Dissemination Approach

Phase I Dissemination Activities

- White House Accelerating Infrastructure Summit
- ACEC Fall Conference
- DBIA Design-Build Conference and Expo
- Future of Engineering Roundtable (webinar and video archive)
- DBIA Board of Directors
- Transportation Research Board
- DBIA Transportation and Water Conferences Keynote
- DBIA Federal Design-Build Symposium
- Multiple ACEC State Member Organizations

ACEC Design-Build Microsite

- 2,660 Views
- 1,342 Downloads



Principal Investigators

- University of Colorado Boulder
 - Keith Molenaar
 - Amelia Celozza
 - Malek Alazzam
- ACEC Research Institute
 - Daphne Bryant
 - Institute Support Team



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