HOW INTEGRATED TEAMS CREATE INNOVATIVE SOLUTIONS: A CASE STUDY

A case study from Fremont Union High School District that demonstrates how a successful integrated team led to a truly innovative solution. Blach Construction, Quattrocchi Kwok Architects, and GPLA Structural Engineers partnered years ago to develop a pre-engineered building, named Folia. Folia takes advantage of significant offsite prefabrication to deliver cost and schedule efficiencies without sacrificing quality. Unlike other modular solutions, Folia's flexibility allowed the Design-Build team to solve many of the FUHSD's project constraints.

PANEL



Ryan Holman Blach Construction Company



Aaron Jobson Quattrocchi Kwok Architects

The intent of the presentation is to educate Design-Build professionals and Owners on the benefits of engaging Core Trade Design-Build subcontractors early in the design process on public works projects. The session will focus on the selection criteria, bridging documents and hand off, design responsibility as it relates to budget, owner/agency requirements for conversion to construction contract, lessons learned and the overall benefit of Core Trade Design-Build subcontractors.

PANEL



Ryan Bunker Webcor Builders



Suzanne Culin San Francisco Int. Airport

CORE TRADE DESIGN-BUILD CONTRACTING FOR PUBLIC PROJECTS



Southland Industries



Cupertino Electric Inc.

This presentation will discuss the basic fundamentals of a progressive design-build process. The presentation will

IMPLEMENTING LEAN CONSTRUCTION AS PART OF A PROGRESSIVE DESIGN-BUILD PROCESS

explain why certain elements of Progressive Design-Build are implemented. Additionally, the presentation will discuss the implementation of Target Budget Design, Cost Modeling, Collaborative Scheduling and BIM as part of the project delivery process.

PANEL



San Francisco Int. Airport



San Francisco Int. Airport





PROPOSALS There are two sides to successful Design-Build procurement –how the Owner selects its Design-Builder, and how

GETTING WHAT YOU WANT - THROUGH COLLABORATIVE DESIGN-BUILD PROCUREMENT AND

the D-B wins the project. Poorly managed procurement can result in projects that don't meet the Owner's requirements. Poorly written proposals won't win -or worse, put the Design-Builder at too much risk. Through a collaborative process, Solano Community College procured two highly effective Design-Build teams that delivered two great projects under budget and ahead of schedule –and which were successes for the Design-Builders. **PANEL**



EXECUTION



College District







JK Architecture Engineering

In this workshop we will take an in-depth look at the DSA Collaborative Process (CP) to examine its key functions, value to the project, and investments required by the entire team to realize its full potential. We will examine this

MAXIMIZING THE DSA COLLABORATIVE PROCESS FROM BUSINESS CASE THROUGH

process through the lens of the Cañada College B23 Science & Technology Building, which reduced a projected 7-9 month review period down to full DSA approval in 3.5 months. **PANEL**



DESIGN-BUILD TEAMS



THE RIGHT PARTNERS. AN ARCHITECT'S PERSPECTIVE OF IDEAL ATTRIBUTES OF SUCCESSFUL

Design-build pursuits are considerable investments. Winning starts with the right team. Learn what factors are essential when considering engineering consultants, general contractors, and key trade contractors. This panel



will explore best practices to selecting and on-boarding team members to create an exceptional client experience. Our panel will share real life examples and outcomes within traditional and progressive design-build deliveries while sharing lessons-learned and best practices when assembling your next winning design-build team.

PANEL



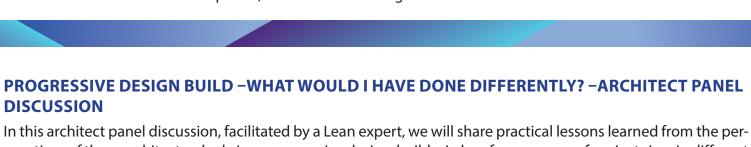
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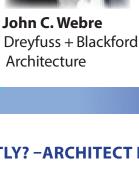


spectives of three architects who brings progressive design-build wisdom from a range of project sizes in different

aspects of what drives success for a fully integrated team and "project-first" culture.







PANEL

markets. The panel will include dialogue that will help session participants recognize and implement the critical

Felipe Engineer-Manriquez David Crotty Roxanne Malek Stan Chiu SmithGroup HGA Architects McCarthy Building HOK

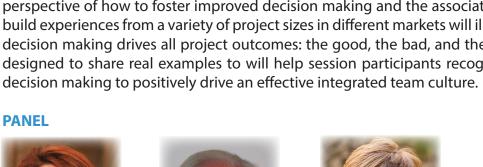


PANEL

Judi Mosqueda

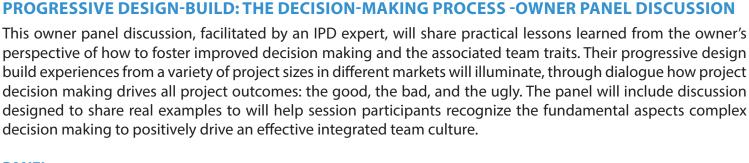


J. Stuart Eckblad



& Engineers





Companies, Inc.

Alicia Wachtel



Stefanie Becker

Cedars Sinai San Francisco University of Calif., Oregon Health & McCarthy Building Int. Airport San Francisco **Science University** Companies, Inc.

COMPLEX SYSTEMS REQUIRE LEAN MINDSETS: CHANGING LINEAR THINKING TO EMBRACE

Jennifer Taylor

We explore the differences between linear thinking and systems thinking, as it relates to design-build teams. We will provide the audience with a deep dive into one of the "5th Discipline: The Art and Practice of a Learning Organization"by Peter Senge. With recorded owner and practitioner video and live interviews we will look at how linear planning vs iterative planning plays a role on design-build collaborative teams. Why are we resistant to have iterative planning and systems thinking in the planning and execution of our integrated design-build teams? Leading us as an industry to use innovative mindsets such as Lean and Agile and tools such as Scrum to empower our teams to succeed with iterative thinking. Good news is... we have a Scrum master to guide us through Scrum in Design and Construction.

PANEL



Felipe Engineer-Manriquez Clark Construction McCarthy Building Companies, Inc.