

How Owners Can Use Design-Assist to Reduce Project Risks and Increase Confidence

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At the end of your project...



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What is design-assist?



COLLABORATION



REVIEW DRAWINGS



REVIEW PHASING & CONSTRUCTABILITY



MAJOR EQUIPMENT EARLY ACQUISITION



VERIFY EXISTING CONDITIONS



BIM COORDINATION



REAL TIME COST ESTIMATING



VALUE ADDED RECOMMENDATIONS



Ohio allows design-assist on public projects.

- Available Design-Build or CM at Risk projects
- Ohio Revised Code 153.501(B)
- Contract documents for CM at Risk and Design-Build projects
 - *General Conditions*
 - *Contracting Definitions*



Why use design-assist?



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How do you make design-assist successful?



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And most importantly...

The word "FUN" is displayed in large, bold, uppercase letters. Each letter is filled with a vibrant, multi-colored mosaic of small, irregular shapes in shades of red, blue, yellow, purple, and white. The letters are set against a solid dark blue background.

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Questions?

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Public – Private Collaborations

Eric Risinger, AIA

Ben Fierman, Ph.D.

Holabird & Root



what is collaboration?

Image: Portion of Painting by Georges Seurat, *A Sunday on La Grande Jatte*

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Conference

col·lab·o·ra·tion

/kəˌlabəˈrɑːʃ(ə)n/ 

noun

1. the **action** of **working with someone** to produce or **create something**

template for collaboration



Image: HERO Sports

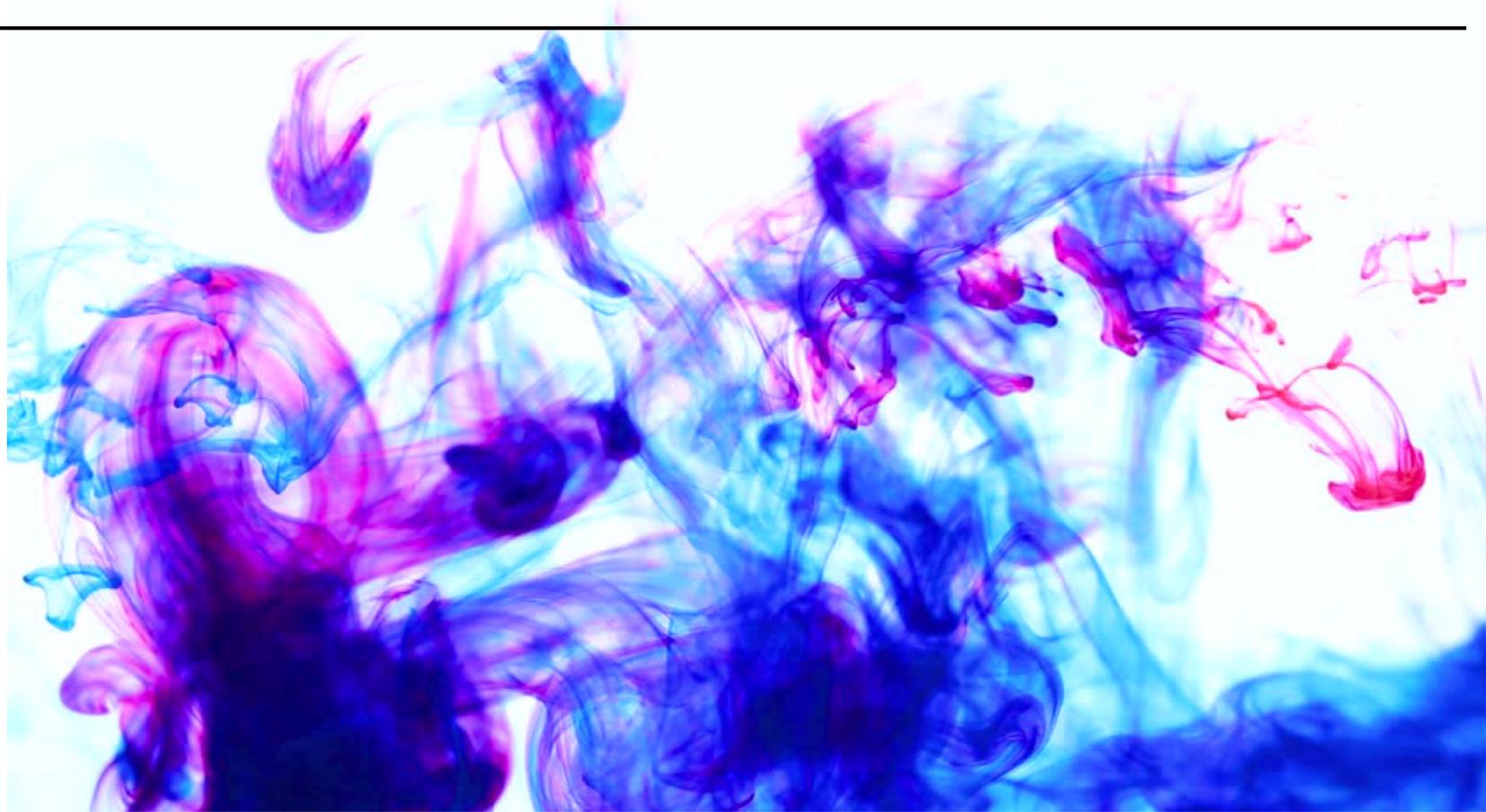
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collaboration drivers



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collaboration rules of engagement



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Image: Portion of Painting by Georges Seurat, *A Sunday on La Grande Jatte*

Questions?

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Integrated Modular Design as a Positive Change Agent for the Construction Industry

Gregory Heiser, AIA, EDAC
CannonDesign

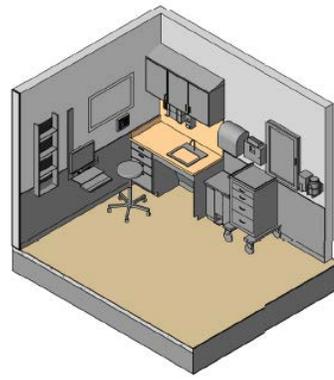
Housing. Hotels. HEALTHCARE.



Consultation Room



Exam Room
(Primary care)



Exam Room
(Bariatric Care)



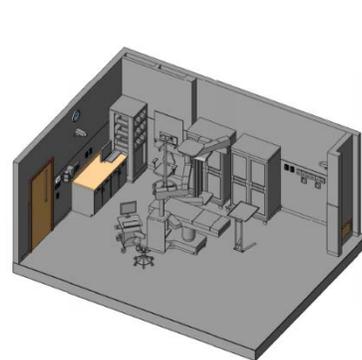
Exam Room
(Specialty Care)



ED Treatment Room



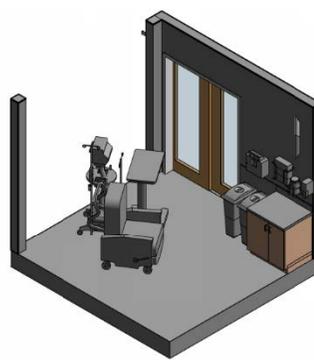
Blood Draw



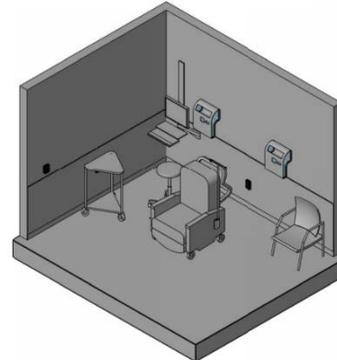
Endoscopy Room



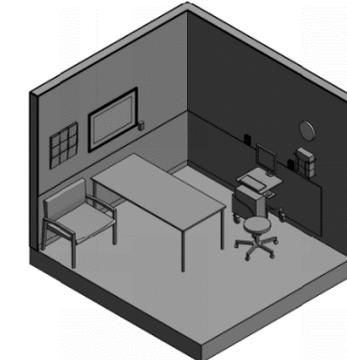
Exam Room
(Urgent Care)



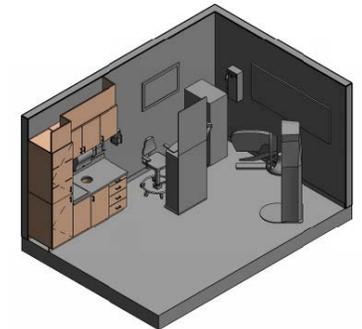
Infusion Bay



Injection Room



PT Treatment



Mammography

CUSTOMIZED

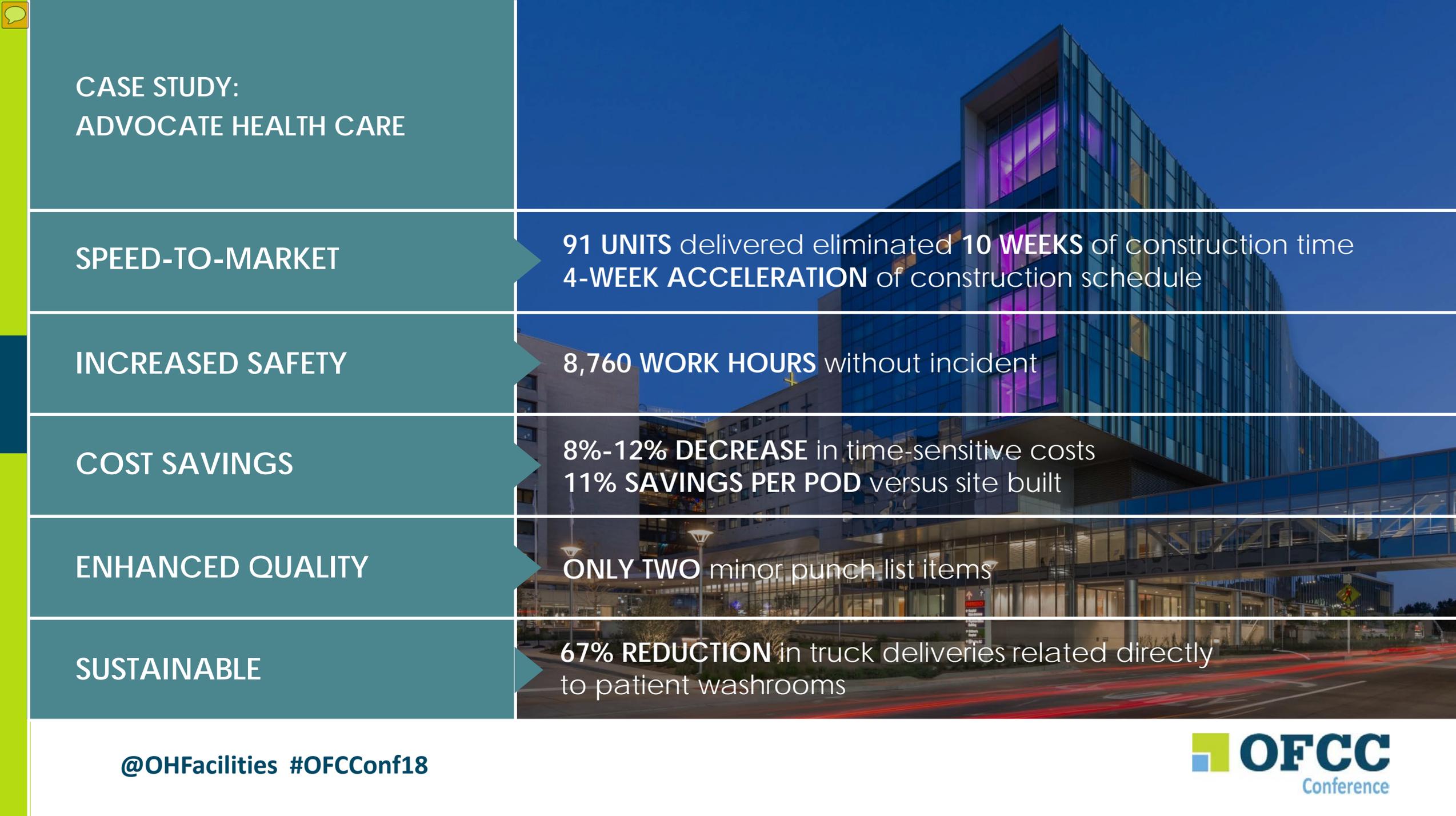
VS

STANDARDIZED?

GOOD DESIGN

AND

SPEED TO MARKET



CASE STUDY:
ADVOCATE HEALTH CARE

SPEED-TO-MARKET

91 UNITS delivered eliminated **10 WEEKS** of construction time
4-WEEK ACCELERATION of construction schedule

INCREASED SAFETY

8,760 WORK HOURS without incident

COST SAVINGS

8%-12% DECREASE in time-sensitive costs
11% SAVINGS PER POD versus site built

ENHANCED QUALITY

ONLY TWO minor punch list items

SUSTAINABLE

67% REDUCTION in truck deliveries related directly
to patient washrooms

Questions?

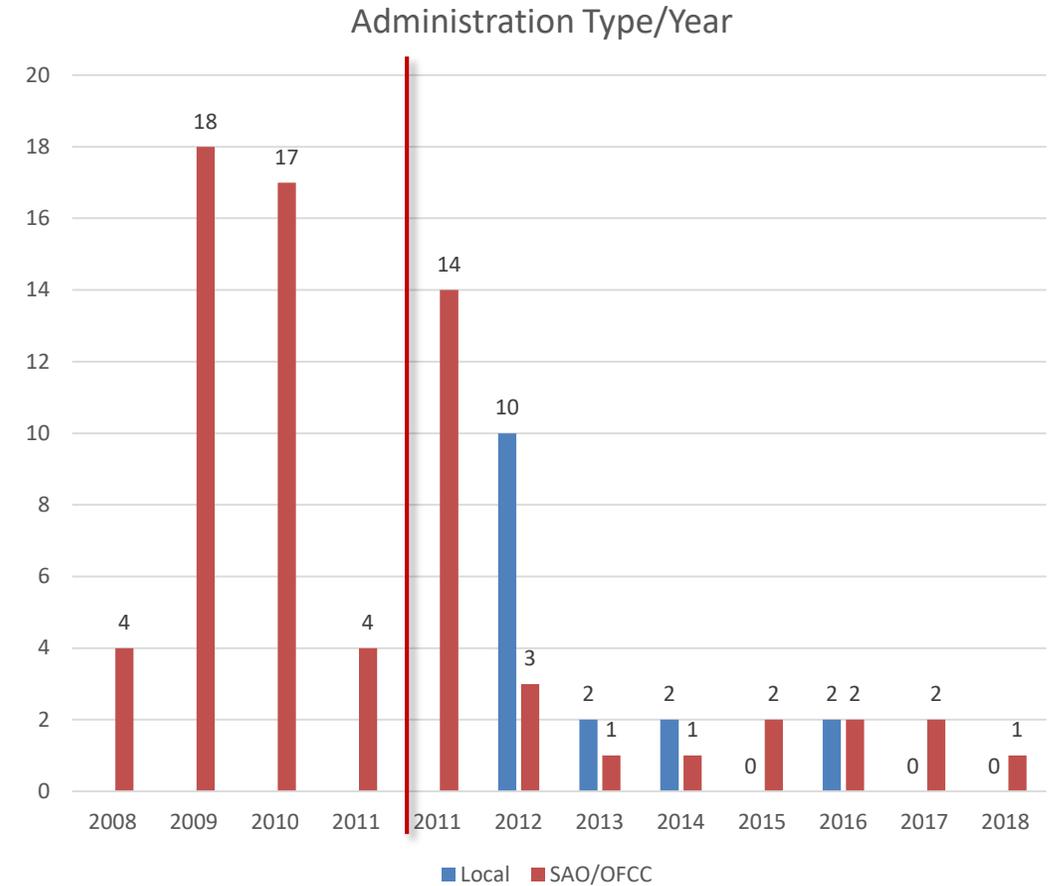
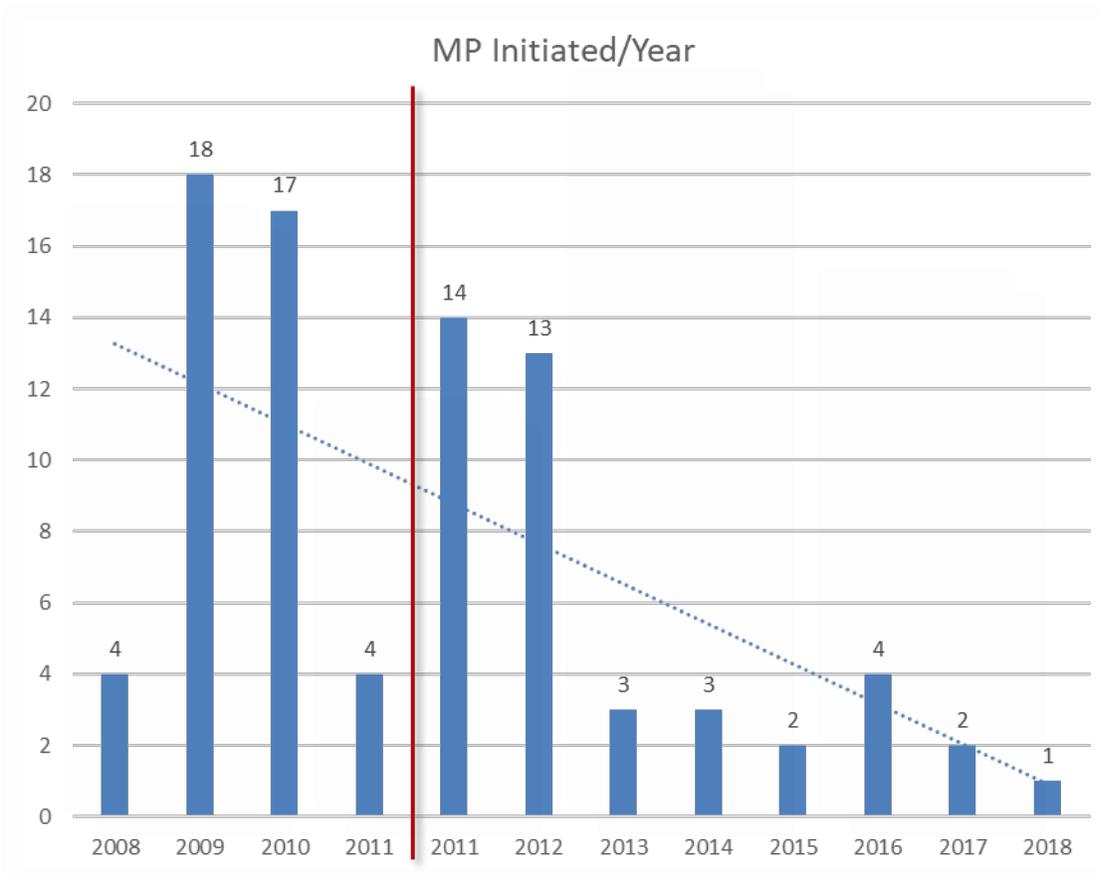
Gregory Heiser, AIA, EDAC
gheiser@cannondesign.com

Lessons Learned: Multiple Prime

Ned Thiell

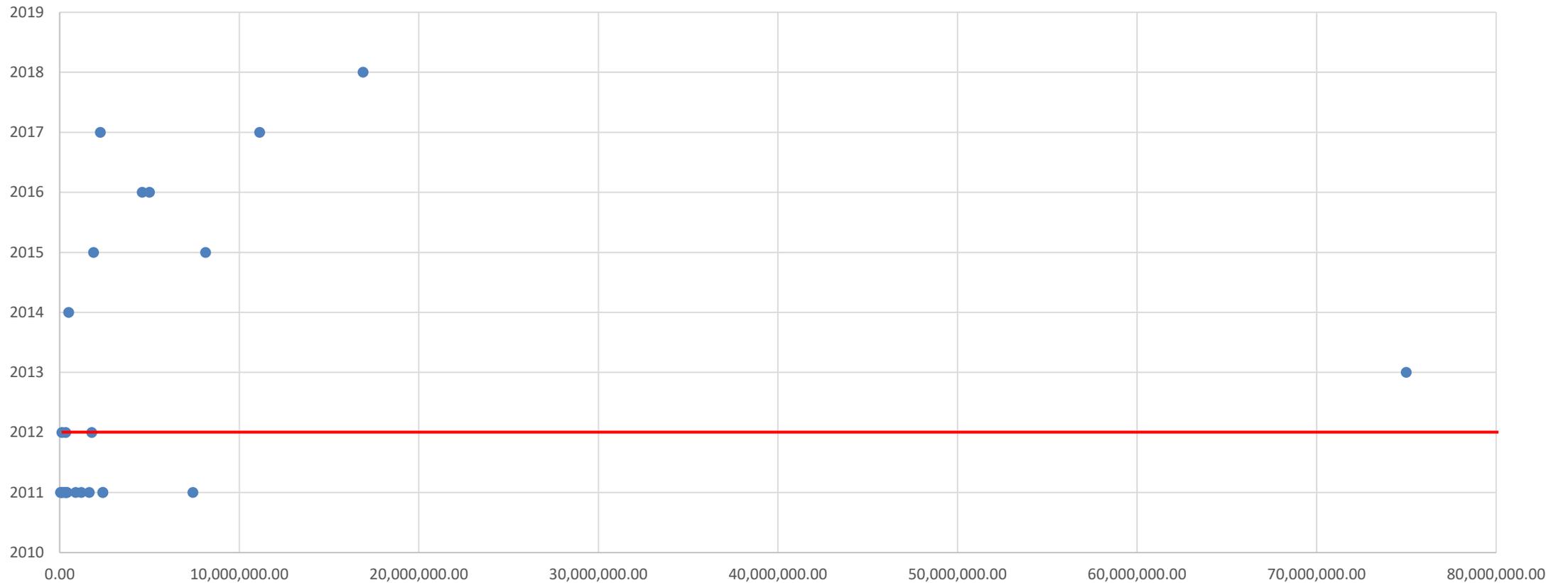
Program Manager, Agency | Higher Education

Multi-Prime Over the Last Decade



Project Costs

OFCC Project Cost/Year



When is Multi-Prime a Good Fit?

- Contracting Authority/Owner has a strong Project Manager
- Project scale is small
- Project design is NOT complex
- Number of Trades are limited
- Owner team is supported with additional resources
 - Independent estimating services
 - Scheduling consultant during construction

Why?

- + Better Management Control with appropriate “resources”
 - + 3rd party Scheduling expertise
 - + Faster response and resolution
-
- More contracts to financially administer
 - + Supplement Schedule Services as a consultant

“Resources” Needed for Success

- Contracting Authority Project Manager
- Scheduling Consultant
- the Contract
- Attitude
- Communication
- Aiming for success

Management Set-Up | “Stack the Deck for Success”

- Scheduling Consultant
- Project Manager
- “Partnering”

Contract Information

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