



Dodge also inquired about application of Lean methods on each project. The research found the following with the biggest utilization gap between best and typical projects.

Visioning workshop

First run studies / physical mockups

Value, cost & schedule informs design (TVD)*

Collaborative review of risks & opportunities*

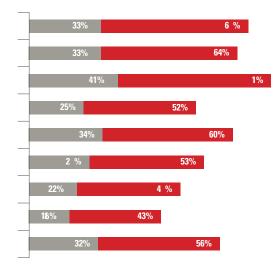
Unified BIM coordination**

Current state observation & mapping

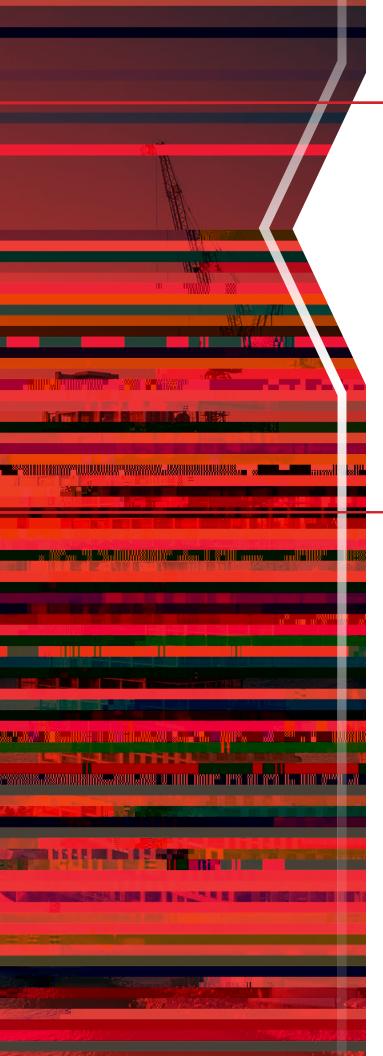
Early & rapid prototyping with users

Co-location / big room

Project validation by diverse group*



- * Combined these represent major components of Target Value Delivery
- ** Design and construction BIM models used together for 3D coordination & clash detection



H D I t t?

- 1. Set Targets: Select Lean methods that align with improvement needs of your practice and set measurable goals
- 2. Build the Team: Identify Lean champions in your practice and on project teams to validate targets for the project and unify the team
- **3. Learn as a Team:** Provide Lean training, ongoing coaching and empower teams to learn by doing
- 4. Support the Team: Celebrate performance and process improvements and foster an environment of continuous improvement

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While the research is focused on the project value proposition the benefits extend to the individual designers, design firms and other service providers for the project; benefits include:

- Leveling of workload (work/ life balance)
- Increased employee engagement (productivity)
- Improved utilization (profitability)

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For more information about the research, find a local Lean community or to advance your own Lean journey, please visit:

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