

Five Lessons from the Jobsite: Coordination, Collaboration, Culture, Innovation, and Change in Design-Build Delivery

Written by: Nathan Richmond, PE, Design-Build, Design Manager, GFT

Beyond the Contract: What Drives Design-Build Success

Design-build delivery is reshaping how infrastructure projects are planned and executed. By uniting design and construction under a single contract, this approach offers the potential for faster delivery, reduced risk, and improved collaboration. But the model alone doesn't guarantee success. It's the strategies, relationships, and mindset behind the work that truly drive outcomes.

I've had the opportunity to contribute to complex projects across Massachusetts and Rhode Island. From the Route 79/Davol Street Improvements in Fall River to the I-95 Northbound Viaduct Replacement in Providence and the I-495 over Merrimack River Bridge Replacements in Haverhill, each project has reinforced key lessons that continue to shape our approach. This blog shares five essential insights from the jobsite – lessons in coordination, collaboration, culture, innovation, and change – that are critical to delivering successful design-build projects.

1. Design-Build Success Starts with Early Coordination

In design-build, integration doesn't happen by default – it's built through early and consistent engagement. Whether



working with agencies or municipalities, proactive coordination helps align teams, reduce rework, and accelerate delivery.

WHAT MADE THE DIFFERENCE?

- » Early stakeholder involvement.
- » Constructability-focused modeling.
- » Timely investigations and planning.
- » Clear work breakdown structures.

TAKEAWAY

Start early, stay engaged, and build trust through transparency.

2. Collaboration Is the Foundation of Design-Build

True integration means working as one team with shared goals and open communication. Regular coordination and transparent review processes keep momentum and minimize surprises.

WHAT MADE THE DIFFERENCE?

- » Bi-weekly coordination meetings with owners, utilities, and contractors.
- » Over-the-shoulder reviews and transparent comment resolution.
- » Dedicated comment resolution meetings to keep momentum and clarity.

TAKEAWAY

Strong partnerships build strong projects through trust, transparency, and shared problem-solving.

3. Culture of Quality, Not a Checklist

Quality in design-build must be embedded from day one. A layered review process ensures standards are met, but culture is what drives excellence.

WHAT MADE THE DIFFERENCE?

- » Collaborative review sessions between disciplines, contractors, and owners.
- » Ownership of quality across all levels.
- » Dedicated effort to quality review as part of every task.

TAKEAWAY

Quality thrives when it's a shared mindset, not just a process.

4. Innovation in Analysis Drives Resilience

Resilient infrastructure starts with smart engineering. Advanced modeling and analysis help teams respond to complex conditions and performance demands.

WHAT MADE THE DIFFERENCE?

- » Using the right tools – and applying them collaboratively.
- » Translating analysis into actionable strategies.

TAKEAWAY

Innovation in analysis is powerful, but its true value is unlocked when paired with clear communication and shared understanding.

5. Change Management: The Overlooked Game-Changer

Change is inevitable. Managing it well protects schedules, budgets, and team alignment.

WHAT MADE THE DIFFERENCE?

- » Early planning for change.
- » Transparent documentation.
- » Empowered teams and engaged stakeholders.

TAKEAWAY

Change isn't the problem; how we manage it determines success.

Final Thoughts: A Blueprint for Smarter Delivery

Design-build delivery continues to reshape infrastructure development, offering speed, efficiency, and innovation. But its true potential is only realized through deliberate action – early coordination, collaborative partnerships, a culture of quality, rigorous analysis, and proactive change management. These five lessons from the jobsite aren't just best practices; they're the foundation of successful design-build execution. As we move forward, embracing these principles will help us to deliver resilient, high-performing infrastructure that meets the needs of our communities today and tomorrow. 



About the Author

Nathan Richmond, PE, Design-Build, Design Manager, GFT, has nearly 20 years of experience specializing in bridge design, rehabilitation, and inspection, with extensive experience leading major transportation projects across New England and California.

About the Article

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