

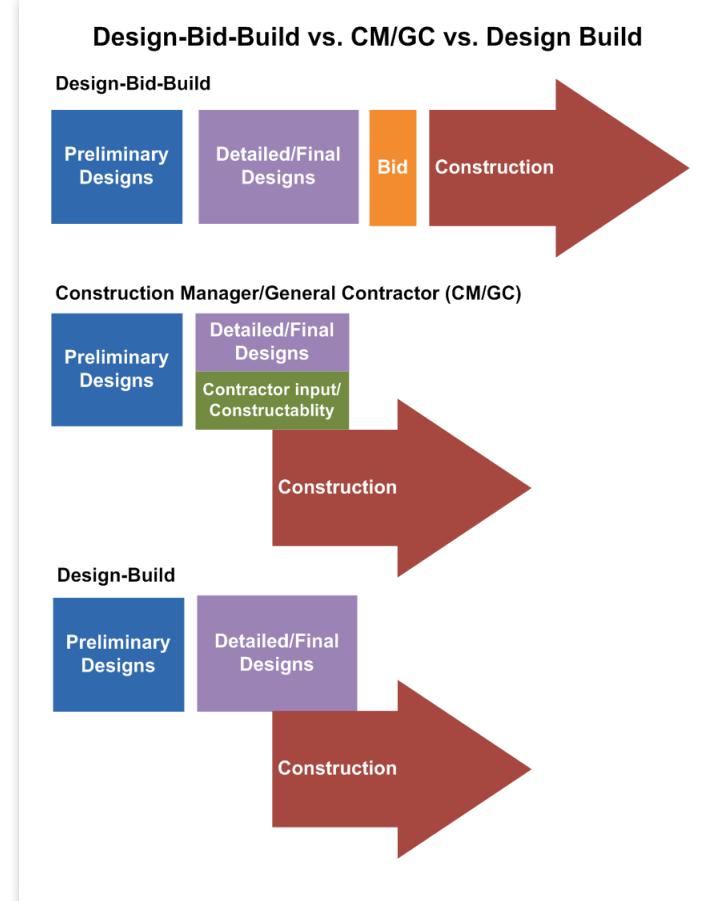
Accelerated Project Delivery Methods

The next two initiatives focus on the construction phase of a project.

Design Build

Traditionally, a project is designed, put out for bid to construction firms, then built by the winning bidder (design-bid-build). Design-Build (DB) is an alternate method of project delivery in which the design and construction phases are combined into one contract, eliminating the separate bid phase and allowing certain aspects of design and construction to take place at the same time. This can provide significant time savings compared with the design-bid-build approach, where the design and construction phases must take place in sequence.

With DB project delivery, the designer-builder assumes responsibility for the majority of the design work and all construction activities. This provides the designer-builder with increased flexibility to be innovative, along with greater responsibility and risk.



In addition to the time savings, a DB contract provides savings in cost and improvement in quality. Cost savings are realized by transferring many of the construction engineering and inspection costs from the contracting agency to the designer-builder. The arrangement also results in fewer change orders or claims for errors or delays. Finally, the ongoing involvement of the design team throughout the process puts a greater focus on quality control and assurance, and allows better coordination between the needs of the project and the contractor's capabilities.

Construction Manager/General Contractor

Construction Manager/General Contractor (CM/GC) occupies the middle ground between the traditional design-bid-build and design-build. In a typical CM/GC scenario, the owners of a project hire either a general contractor or design firm to serve as the construction manager, placing responsibility for design review, design modifications, system integration, and construction with that single contractor. CM/GC allows State DOTs to remain active in the design process while assigning risks to the parties most able to mitigate them. As with the design-build approach, there are potential time savings because of the ability to undertake a number of activities concurrently.

Additional benefits include:

- Increased partnership and team building fosters an environment where innovation can be nurtured, be rewarded, and flourish.
- Owner has control over design details as a member of the design team.
- Potential for lower project costs, primarily due to risk identification and allocation during early project development.
- Enhanced cost certainty at an earlier point in design because of real time costing information inherent to CM/GC.
- Value engineering savings accrue to owner. The number of change orders, which are indicators of design quality, is also low.



Federal Highway Administration

Every Day Counts

Innovation Initiative



Message from the Administrator

Our society and our industry face an unprecedented list of challenges. Because of our economy, we need to work more efficiently. The public wants greater accountability in how we spend their money. We need to find ways to make our roads safer. And we have an obligation to help preserve our planet for future generations.

But it's not enough to simply address those challenges. We need to do it with a new sense of urgency. It's that quality—urgency—that I've tried to capture in our initiative, Every Day Counts (EDC).

EDC is designed to identify and deploy innovation aimed at shortening project delivery, enhancing the safety of our roadways, and protecting the environment.

These goals are worth pursuing for their own sake. But in challenging times, it's imperative we pursue better, faster, and smarter ways of doing business.

EDC is designed to focus on a finite set of initiatives. Teams from the Federal Highway Administration will work with our state, local, and industry partners to deploy the initiatives and will develop performance measures to gauge their success.

The first round of initiatives described in the following pages represent what I hope will lead to a sea change in the way we deploy innovation. As you see represented in the EDC logo, our industry is shaped by invention, ingenuity, imagination, and innovation. These words are not new to the transportation community's lexicon. They've always been at the heart of our work.

But under Every Day Counts, I want to see us work together to bring more focus and commitment to those qualities, and to the rapid deployment of proven solutions and technologies that make a difference. The traveling public deserves no less.

Secretary LaHood has set the bar high at USDOT. He not only expects us to think innovatively, he understands the times demand it. Every Day Counts is FHWA's effort to provide National leadership in the quest to meet the transportation demands of the 21st Century.

Victor Mendez
FHWA Administrator

EDC Initiatives

We've organized EDC around three pillars. One is an internal effort to make FHWA a greener Agency and reduce our carbon footprint. The other two are directly related to our work as stewards of America's highway system:

Accelerating Technology and Innovation Deployment

Every Day Counts is not about inventing the next "big thing." It's about taking effective, proven and market-ready technologies and getting them into widespread use. By advancing 21st century solutions, we can improve safety, reduce congestion and keep America moving and competitive.

Shortening Project Delivery

The sooner we can deliver projects, the sooner the public can enjoy their benefits. To deliver projects more quickly, FHWA will help the highway community make routine use of innovative practices. We've put together a toolkit that includes ideas for using flexibilities in the law and not duplicating efforts in the planning and environmental review process. We are also recommending that States make innovative contracting practices the standard way of doing business.



U.S. Department of Transportation
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