

Design Build Projects Progress in FY 2006

Introduction

The information in this section is in accordance with the following section of the reporting statute.

Information in this section provides the progress on Design Build projects currently in progress. As per Sec. 227.107, RSMo, MoDOT has been given the authority to do three pilot projects using the Design-Build project delivery technique. Since October 2005, the Missouri Highways and Transportation Commission has approved all three pilot projects: The New I-64 in October 2005; The I-29/I-35 in December 2005; and the Safe and Sound Bridge program in September 2006.

Design-Build is a delivery method that includes hiring one contracting team to complete the design work and build the highway improvement under one contract. MoDOT provides the project goals, budget and schedule and the contractor team completes the work. This technique has been used by other departments of transportation around the country and has been known to significantly save time and provide cost savings.

The New I-64

On October 14, 2005, the MHTC approved the first Design-Build project for MoDOT to be the reconstruction of Interstate 64 located in St. Louis City and County. The project is 12 miles long and extends from west of Spoede Road in St. Louis County to Sarah Street in St. Louis City including about one mile of I-170 as it approaches the I-170/I-64 interchange. The project improvements include: fix the interstate-to-interstate connection, fix heavily traveled interchanges, add one lane each direction from west of Spoede to I-170, rehabilitate or replace more than 40 bridges, repair or replace pavement and improve safety for the average 150,000 motorists who use it each day.

The project is fully funded in the Statewide Transportation Improvement Program for \$535 million. MoDOT has already spent \$35 million for property acquisition, design and environmental work. The remaining \$500 million will be funded primarily using Amendment 3 revenue and GARVEE bonds paid back using the St. Louis Metro area's funding distribution in future years. The project also received environmental clearance in July 2005 when the Federal Highway Administration issued its Record of Decision.

MoDOT and the Federal Highway Administration have developed the following goals for The New I-64 Design-Build project.

- Deliver the project within the program budget of \$535 million.
- Complete the project no later than October 1, 2010.
- Maximize the mobility and capacity improvements in the corridor when construction is complete.
- Minimize and mitigate construction impacts to customers through construction staging and communication efforts.

- Provide a quality product that produces a long lasting transportation facility.
- Demonstrate a quality construction and communication effort that creates a new model for doing a Design-Build project.

In December 2005, two teams were shortlisted through a qualification program. The Draft Request for Proposals was issued February 27, 2006. The Final Request for Proposals was issued May 15, 2006. MoDOT staff have been meeting separately with the two competing teams to answer questions and provide clarification as they work through development of their proposals. Initial proposals were received August 11, 2006. Final proposals are due October 20, 2006. After the proposals are submitted, MoDOT will evaluate the proposals against our project goals and provide a recommendation to the Missouri Highways and Transportation Commission for approval before the end of 2006. Construction is expected to begin in spring 2007 and be complete no later than October 1, 2010.

For more information on The New I-64 project, please contact the I-64 Project Director Lesley Hoffarth at 314-340-4392 or check the project website at www.thenewi64.org.

I-29/I-35

On December 2, 2005, MHTC approved the second Design-Build project for MoDOT to be the Interstate 29 and Interstate 35 project in Kansas City, which includes the Paseo Bridge. The project is 4 miles long and extends from M210 to the Central Business District. The project improvements include adding capacity to improve traffic flow and rehabilitate or replace the Paseo Bridge.

The project was fully funded through several sources providing a unique opportunity to complete this project now. The passage of Amendment 3 funds provided the revenue source for \$195 million for the project. Senator Kit Bond also identified \$50 million in SAFETEA-LU for the project. This \$245 million project is identified in the Statewide Transportation Improvement Program.

To demonstrate MoDOT's commitment to provide a quality construction and communication effort that creates a new model for Design-Build, the project goals are:

- Deliver the I-29/I-35 Corridor improvements within the total program budget of \$245 million.
- Construct a noteworthy Missouri River crossing structure(s) that can be reasonably maintained to provide more than a century of useful service.
- Maximize safety, mobility and capacity improvements in the corridor.
- Engage stakeholders and the community to successfully develop and deliver the project.
- Meet or beat the project completion date of October 31, 2011.

The I-29/I-35 project will follow the same process with the addition of the completion of the Environmental Impact Statement for the project. The draft EIS will be released to the public in early 2006. Once a Record of Decision is received on the EIS, MoDOT will

proceed with issuing the Request for Qualifications, shortlisting of teams and issuing the Request for Proposals. All of these steps are expected to occur in 2007.

For more information on the I-29/I-35 project, please contact Project Manager Brian Kidwell at 816-622-0686 or check the project website at www.kcrivercrossings.org.

Safe and Sound Bridge Improvement Program

On September 13, 2006, the MHTC approved the third Design-Build project for MoDOT, the Safe and Sound Bridge Improvement Program. The project consists of large-scale system improvement to bridges in each of Missouri's 114 counties. Over 800 of Missouri's worst-condition bridges will be rehabilitated or replaced within a five-year period, and the contractor will be responsible for structural maintenance of these bridges for at least an additional 25 years. In addition, the contract team will finance the cost of this project. MoDOT prefers a financial plan that requires no Commission payments during the initial five-year construction period, with uniform annual payments spread over the remaining maintenance period.

The project will be financed through private funds, with payments made through the State Road Fund. The construction cost of this effort is estimated to be between \$400 and \$600 million.

This innovative approach provides for design, build, finance, and maintain components of a large system improvement over an extended time. The project goals for the Safe and Sound Bridge Improvement Program are:

- Deliver the Bridge Improvement Program for the least possible cost.
- Restore all bridges in the BIP to at least condition 6 on or before December 31, 2012.
- Minimize the duration of public inconvenience during construction and maintenance.
- Maximize community and stakeholder acceptance.
- Maintain structures for a minimum of 25 years after acceptance of initial construction and then return structures to MoDOT in satisfactory condition. During the maintenance period no structure shall fall below condition 6 for more than two consecutive years, nor shall any structure fall below condition 4 at any time.

The Bridge Improvement Program will follow a similar process, with a preliminary draft of the Request for Proposals released on Oct. 2, 2006, followed by issuance of the Request for Qualifications on Oct. 4, 2006. NEPA classification for all structures will be completed prior to issuance of the Draft RFP. Industry review comments will be discussed at an Industry-wide meeting in late October, with proposal teams selected and a draft RFP issued for technical proposals by Nov. 22, 2006. Award of this project is expected in May 2007.

For more information on the Safe and Sound Bridge Improvement Program, please contact Project Director Ken Warbritton at 573-526-3282 or check the project website at www.modot.mo.gov/safeandsound.