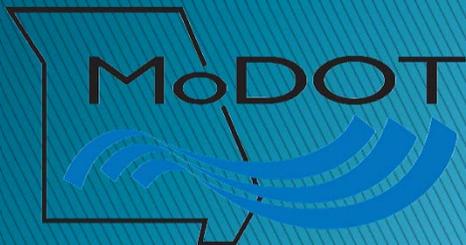


Design Build MoDOT Style!

Angela Fuerst, P.E.
MoDOT Design Build Coordinator



Value Statements

Live MoDOT Values -

- Be Safe,
- Be Accountable,
- Be Respectful,
- Be Inclusive,
- Be Bold,
- Be Better, and
- Be One Team

So we can be a great organization.



Our mission is to provide a world-class transportation experience that delights our customers and promotes a prosperous Missouri.



Be BOLD



Topics

- ▶ **MoDOT “rules for success”**
- ▶ **Project selection**
- ▶ **MoDOT Design Build Procurement process**
- ▶ **Active Design Build Projects**
- ▶ **What’s Next?**



»» **MoDOT
Design Build
Rules for
Success**



Design-Build Success

- ▶ **The New I-64, St. Louis**
- ▶ **kcICON, Kansas City**
- ▶ **Safe & Sound Bridge, Statewide**



MoDOT “Rules” of DB Success

- ▶ Empower the team
- ▶ Be flexible
- ▶ Confidentiality is key





Project Selection



Project Delivery Method Selection

- ▶ *So...what makes a good Design Build Project?*
 - Flexible solution
 - Limited budget
 - Performance outcomes or goals
 - Acceptable Risk
 - Opportunity for innovation



Project Delivery Method Selection

▶ *Project selection process*

- In development
- High-level goals
- Assess Risk
- Pros & Cons
- Documentation
- Approval
 - 2% of total projects



MoDOT » Design Build Procurement Process



Two Phased Procurement

- ▶ **Our process is Legislated**
- ▶ **Phase 1**
 - Request for Qualifications
- ▶ **Short-list**
- ▶ **Phase 2**
 - Request for Proposals
- ▶ **One-on-one Confidential Meetings**
- ▶ **Best value project award**



RFQ Overview

▶ Purpose:

- Determines strongest competitors
- Limits resource expenditure
- Qualifications based

▶ Includes:

- Brief solicitation (RFQ)
- Brief responses from industry (SOQ)

▶ Short list:

- Between 2 and 5 teams
- Executive Committee approval



Major Participant

- ▶ **Team partners/joint venture members**
- ▶ **Lead engineer/design firm**
- ▶ **Subcontractors performing 10% or more of the contract work**
- ▶ **Sub consultants performing 20% or more of the design work**
- ▶ **Important to confidential process**



RFP Overview

- ▶ **Purpose:**
 - Establish scoring criteria
 - Outline performance requirements

- ▶ **Includes:**
 - Proposer instructions (ITP)
 - Contract details (RFP)
 - Proposal

- ▶ **One-on-One Confidential Meetings:**
 - Contractors' agendas
 - Discuss RFP
 - 100% confidential



DBE/Workforce Requirements

- ▶ **Requirements defined in RFP**
- ▶ **Teams submit DBE/workforce plan with proposals**
 - Outreach efforts
 - Proposed tracking tools
- ▶ **Final DBE plan approved by MoDOT**



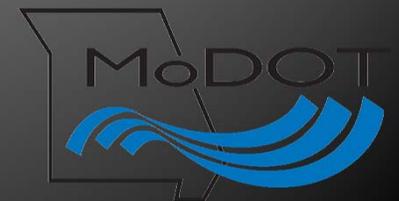
Best Value Selection

- ▶ **Presentation of Best Value Proposer to MHTC**
- ▶ **Commission Awards contract**
- ▶ **Finalize contract**
- ▶ **Proposal becomes part of the contract**





Active » Design Build Projects



Boone Bridge Project



▶ St. Louis District



Boone Project Description

- ▶ **New Missouri River bridge connecting St. Charles and St. Louis counties**
- ▶ **Replaces 1935 bridge**
- ▶ **Shared use path connecting Katy Trail State Park to Monarch Levee Trail**
- ▶ **Includes Chesterfield Airport Road interchange**

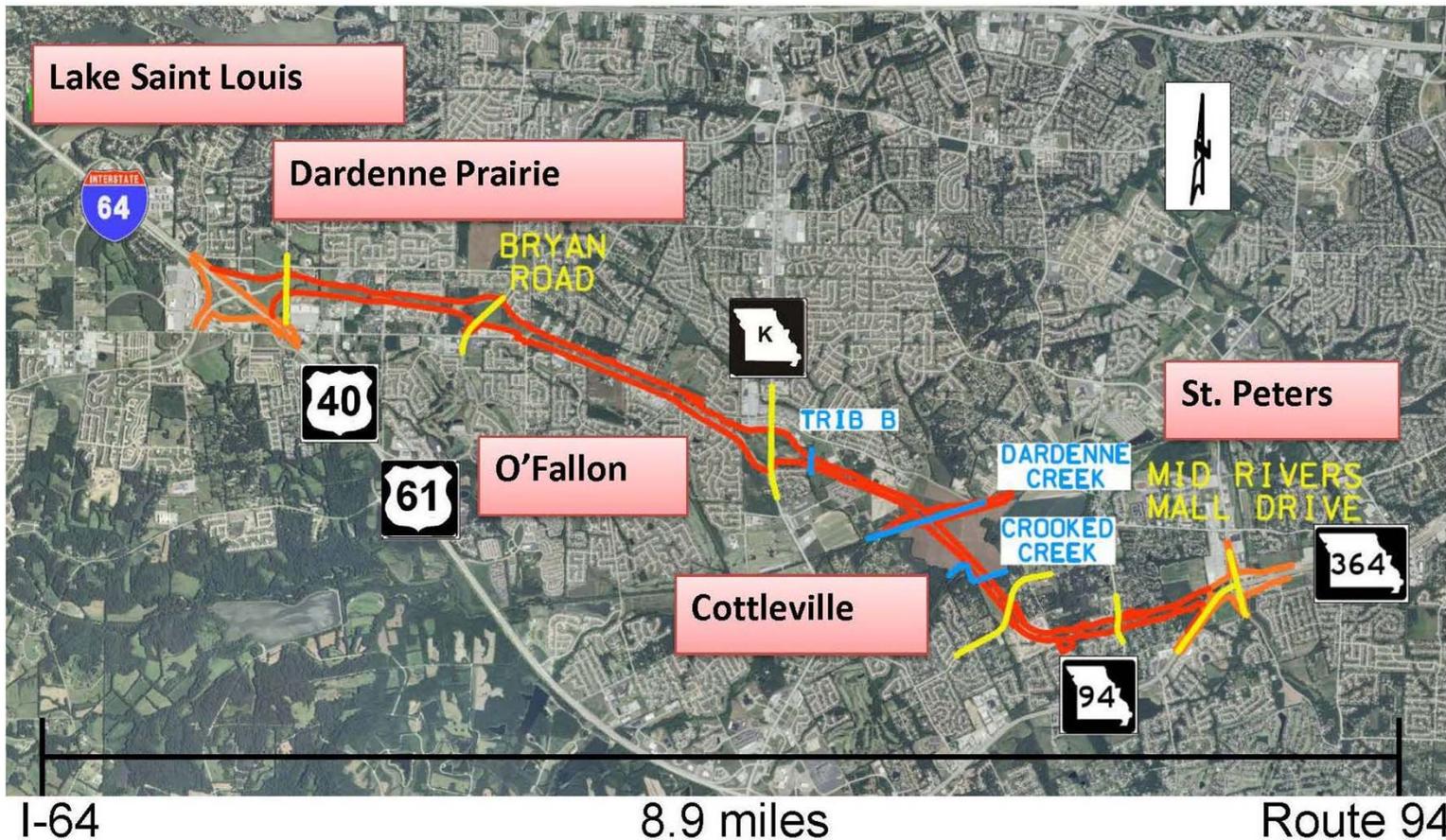


Boone Bridge Cost & Schedule

- ▶ **\$125 million**
 - Property acquisition
 - Utility relocation
 - Contingencies/misc
- ▶ **Approximate \$111 million final contract value**
- ▶ **Complete by December 31, 2015**



Route 364, Phase 3 "Page Phase 3"



► **St. Louis District**



Page Project Description

- ▶ **3rd and final phase of Page Extension**
- ▶ **Four lane freeway from Mid Rivers Mall Drive to Interstate 64**
- ▶ **Creates interstate to interstate connection from I-64 to I-270, relieving I-70 and I-64**
- ▶ **Allows for future expansion**



Page Cost & Schedule

- ▶ **\$118.2 million**
 - Property acquisition
 - Utility relocation
 - Environmental mitigation
 - Design and construction
- ▶ **\$71.8 million Design-Build contract**
- ▶ **The County and its major municipalities are contributing \$57 million**
- ▶ **Complete by November 26, 2014**



Commission Award



in association with Parsons
Fred Weber, Inc. Millstone Bangert, Inc., Kolb Grading

**Pending final contract
negotiations**



I-70 @ Manchester



► **Kansas City
District**



Manchester Project Description

- ▶ **Rehab/reconstruction of I-70 Bridges**
- ▶ **Reconstruction of historic Blue River bridge on US 40**
- ▶ **Minimal impacts to traffic**
- ▶ **Potential additional scope**



Manchester Cost & Schedule

- ▶ **\$58.7 Million in STIP for conventional construction methods**
- ▶ **Balance mobility with cost**
- ▶ **Schedule**
 - **Short-list announced in February**
 - **Project complete by December 15, 2016**



»» **What's Next?**



Need More Information?

- ▶ **Engineering Policy Guide**
 - **Category 139: Design Build**
- ▶ **MoDOT's Website**
 - **Search "Design Build"**
- ▶ **MoDOT's Design Build Coordinator**
 - **Angela.Fuerst@modot.mo.gov**
 - **314-453-5056**



» Questions?

