



# U.S. 52/IL 64

over the Mississippi River

WELCOME

**PUBLIC OPEN HOUSE MEETING** • June 27, 2012

# Purpose of Today's Meeting



**U.S. 52/IL 64**  
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- Introduce you to the project
- Update you on project progress
- Present conceptual alternatives
- Gain your feedback

# Study Purpose



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- Examine transportation needs
- Develop solutions
- For the replacement of the existing bridge that carries U.S. 52 over the Mississippi River between Savanna, IL and Sabula, IA

# Project Overview



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- **Bridge deficiencies**
  - Originally built in 1932; functionally obsolete
  - At 20 feet wide, doesn't meet current standards
- **Safety deficiencies**
  - Narrow roadway forces wider vehicles into opposing lane
  - Substandard roadway width has contributed to crashes



- **System Linkage**
  - U.S. 52 bridge provides crucial regional transportation link
  - Nearest crossings almost 20 miles south and 45 miles north





- Consists of representatives of:
  - Illinois Department of Transportation (IDOT)
  - Iowa Department of Transportation (IADOT)
  - Federal Highway Administration (FHWA)
  - Project consultant teams
  - Other technical agencies, as appropriate



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- Primary responsibility for project development process
  - Identifies and resolves project development issues
  - Promotes partnerships with stakeholders
  - Work to develop general understanding among stakeholders

*The PSG will make the ultimate project recommendations and decisions.*

# IDOT Project Phases



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## **Phase I**

Preliminary  
Engineering &  
Environmental  
Study

- Step I: Analyze existing and future conditions
- Step II: Purpose and Need
- Step III: Detailed environmental and technical studies
- Step IV: Environmental Assessment (EA) with Preferred Alternative

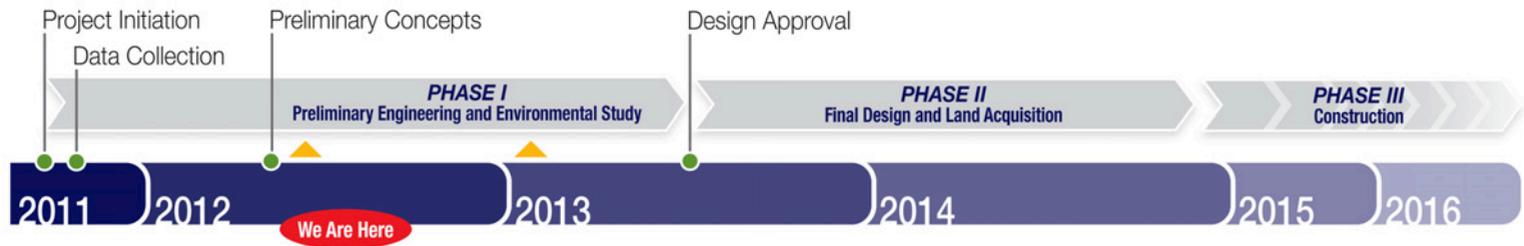
# Anticipated Project Timeline



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## ANTICIPATED PROJECT SCHEDULE

*U.S. 52/IL 64 Over the Mississippi River Study*



▲ **Public Meeting**  
Public Open House #1: June 27, 2012  
Public Hearing: Early 2013

● **Design Approval:** June 2013

# Project Constraints



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- Need to keep existing bridge open during construction to the extent possible
  - New bridge on alternate alignment
  - 40-mile detour/adverse travel
- Location of navigational channel
- Vertical profile of bridge
- Impacts to properties along IL 84 and natural environment

# Proposed Bridge Alignment



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## Proposed Alignment



# Bridge Type Evaluation Factors



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- Initial Cost
- Inspection and Maintenance
- Aesthetics
- Durability
- Constructability
- River traffic impacts during construction
- Environmental impact
- Influence of structure depth on vertical profile
- Geotechnical considerations
- Hydraulic considerations
- Flexibility for future widening

# Tied-Arch Bridge Alternative



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## Tied-Arch Bridge



# Cable-Stayed Bridge Alternative



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## Cable-Stayed Bridge



# IL 84 Reconstruction Plan



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IL-84



# Next Steps



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- Continued input and technical analysis
- Ongoing stakeholder participation
- Evaluation and refinement of the Concepts
  - Continued contact with local officials
- Selection of Preferred Alternative for further detailed study
- Public Hearing - Early 2013



# We want to hear from you



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- Adjourn to Exhibit Area
- Meet the Study Team
- Fill Out Comment Forms Today
- Visit <http://www.dot.state.il.us/us52il64/infocenter.html>
  - Project updates available
  - Submit project comments on-line
- IDOT contact information is available in the exhibit area



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PLEASE PROCEED TO EXHIBIT DISPLAY AREA

Thank you