

U.S. 52/IL 64 OVER THE MISSISSIPPI RIVER

Study Area Map



Study Process

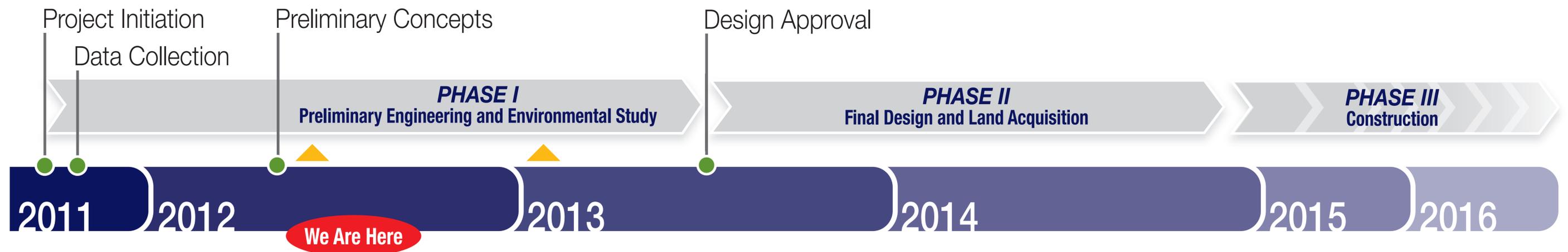


- **Step I:** Analyze existing and future conditions
- ■ **Step II:** Purpose and Need
- ■ ■ **Step III:** Detailed environmental and technical studies
- ■ ■ ■ **Step IV:** Environmental Assessment (EA) with Preferred Alternative

Anticipated Project Timeline

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



Purpose & Need



BRIDGE DEFICIENCIES

- Originally built in 1932; functionally obsolete
- At 20 feet wide, does not meet current standards
 - Cannot accommodate disabled vehicles or bicycle traffic
 - Minimum deck of 32 feet (40 if bicycle traffic accommodated) is required

SAFETY DEFICIENCIES

- Narrow roadway width creates safety deficiencies as wider vehicles encroach into the opposing lane
- Substandard roadway width has contributed to crashes on the bridge

The purpose of the project is to replace a functionally obsolete and structurally deficient bridge across the Mississippi River with one that meets current design standards. The project shall maintain U.S. 52 connectivity across the river and meet the local and regional economic needs.

SYSTEM LINKAGE

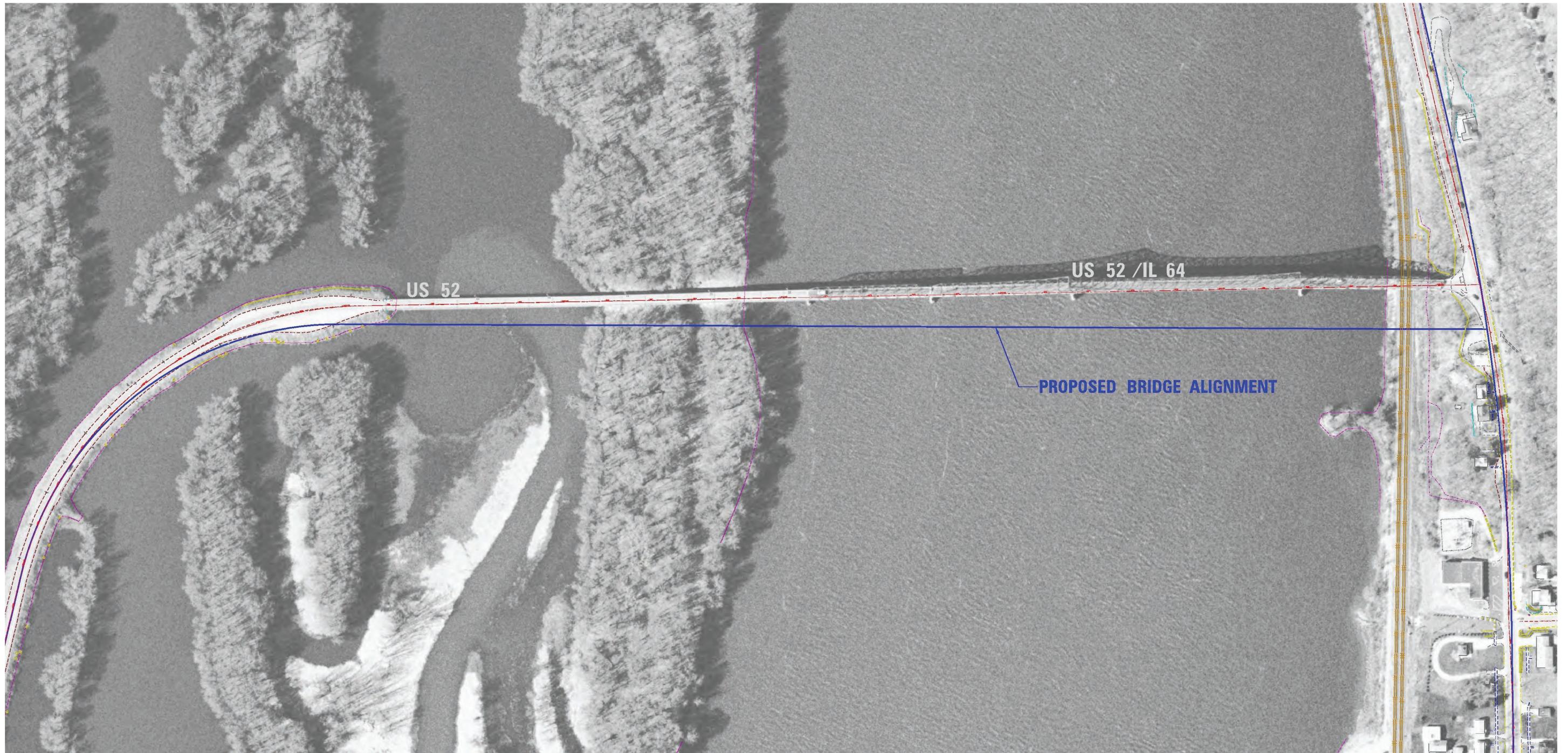
- U.S. 52 bridge provides a crucial regional transportation link
- Nearest Mississippi River Bridge crossings are almost 20 miles to south in Fulton, IL and Clinton, IA, and 45 miles to the north in East Dubuque, IL and Dubuque, IA



Project Constraints

- **Need to keep existing bridge open during construction phase 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





Existing Bridge

TODAY



Tied-Arch Bridge Alternative

TIED-ARCH



Tied-Arch Bridge Alternative

TIED-ARCH



Cable-Stayed Bridge Alternative

CABLE-STAYED



Cable-Stayed Bridge Alternative

CABLE-STAYED





Bridge Type Evaluation Criteria

- **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**

IL 84 Improvements

IL 84



IL 84 Improvements

IL 84



Public Involvement Opportunities

PROJECT NEWSLETTERS

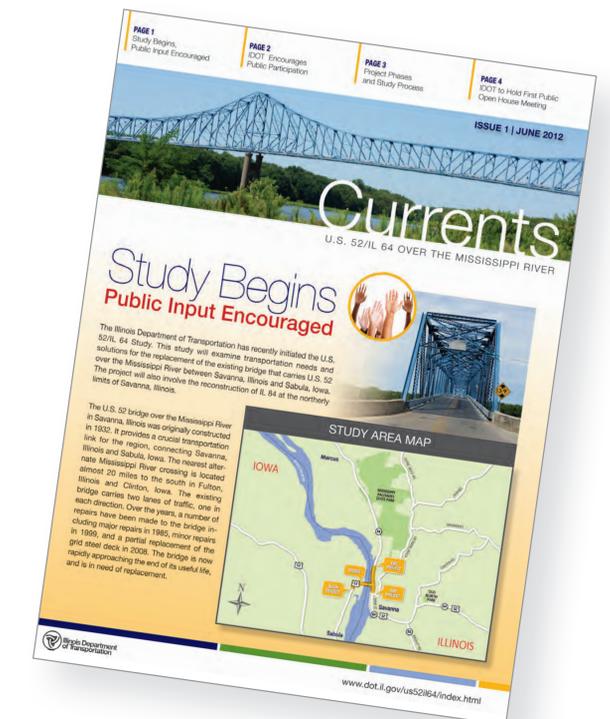
- Present project progress, key information
- Serve as mailed invitations to public meetings

PROJECT WEBSITE

- Updated and timely project information
- Sign-up for mailing list
- Provide on-line comments
- www.dot.state.il.us/us52il64/infocenter.html

PUBLIC MEETINGS

- Large-scale to foster project awareness
- General public can provide comments, meet with study team
- Held at project milestones:
 - *Public Open House Meeting: June 27, 2012*
 - *Public Hearing: Early 2013*



- **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**

What's Important to You?

IDOT Contact Information:

ILLINOIS DEPARTMENT
OF TRANSPORTATION
REGION 2 / DISTRICT 2
819 DEPOT AVENUE
DIXON, ILLINOIS 61021-3500
(815) 284-5510

- **Fill Out Comment Forms Today**
- **Visit www.dot.state.il.us/us52il64/infocenter.html**
 - *Project updates available*
 - *Submit project comments on-line*

Scan with your smartphone
to visit the website.

