- IL 18 Henry Bridge was constructed in 1934
- Bridge was rehabilitated (deck replacement/substructure repairs) in 1988
- 1,719-foot long structure with 6 through truss and 7 approach spans
- Bridge width is 22.6 feet Functionally Obsolete
- Approach roadway flooding issues
- Aging bridge is reaching the end of its repairable life



# **IL 18 RIVER BRIDGE PROJECT**

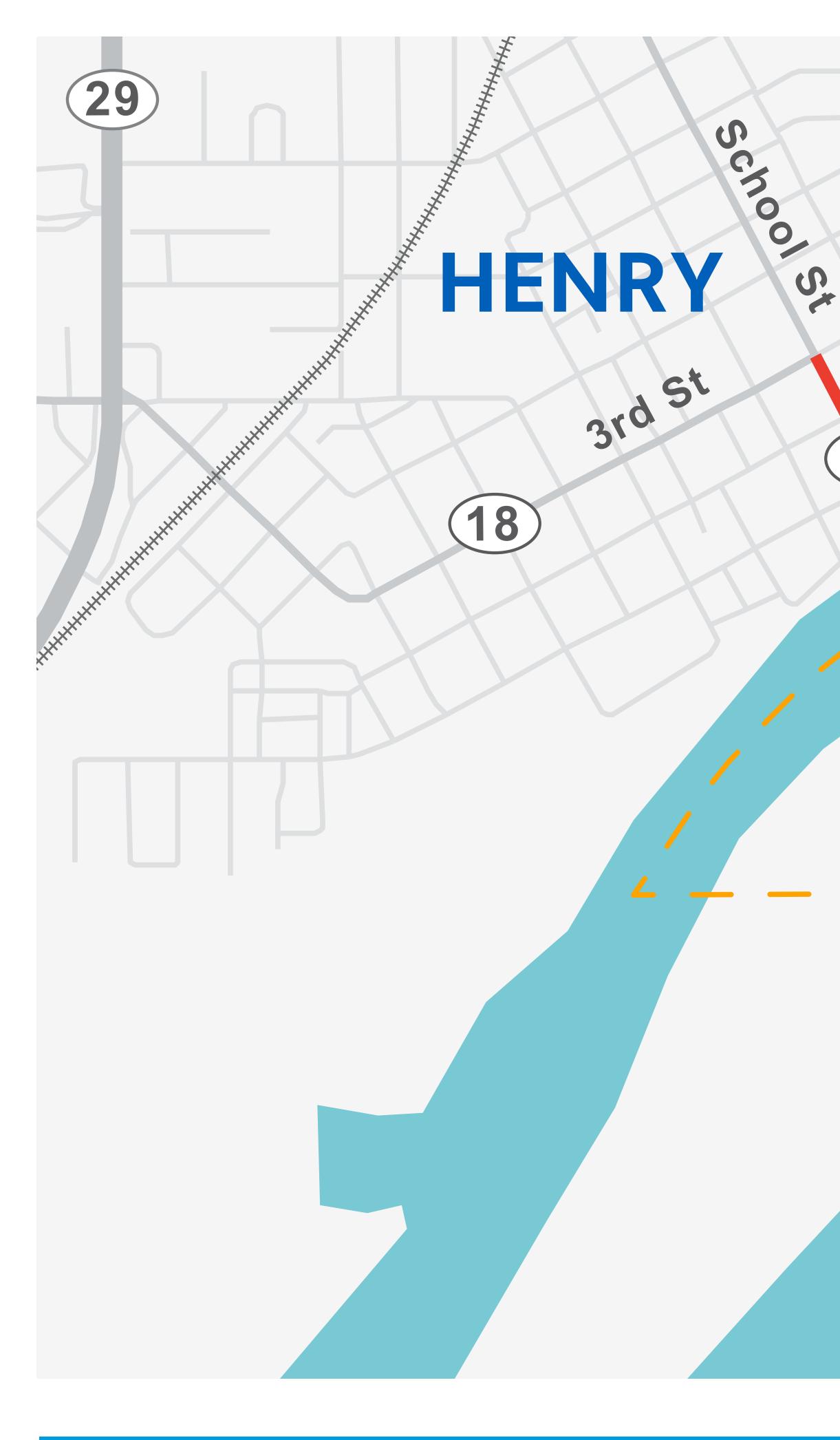
# Project Overview



# Study Area Map Study Limits: Intersection of IL 18/3rd Street in Henry to Intersection of IL 18/IL 26

18

18



# **IL 18 RIVER BRIDGE PROJECT**

### **Putnam County**

linois River

Marshall County

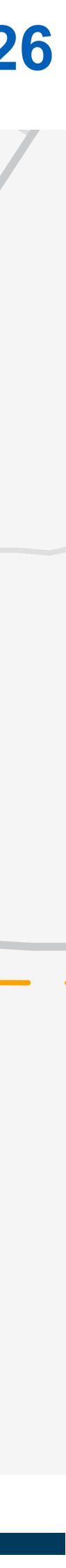
26

### Sawmill Lake

26)



County Border Project Study Limits



18

N

# **Project Development Process**



# Preliminary **Engineering &** Environmental Studies



# **IL 18 RIVER BRIDGE PROJECT**



## **Contract Plan Preparation &** Land Acquisition\*

\*Currently included in IDOT's Fiscal Year 2022 – 2027 Multi-year program



## **Construction\***

## **Environmental Studies**

- Environmental Document
  - Social and Economic Factors
  - Agriculture
  - Historic Properties
  - Air Quality / Noise
  - Energy
  - Natural Resources: plants, water bodies, threatened and endangered species
  - Special Lands: parks/recreation

### **Engineering Studies**

- Roadway
- Structural
- Hydraulics

### **Context Sensitive Solutions (CSS)**

- Understand values of community
- Obtain public feedback early and often

# **IL 18 RIVER BRIDGE PROJECT**

# **Phase**





### **Context Sensitive** Solutions/Public Involvement

#### Initiate CSS Process

- Stakeholder Interviews
- Context Audit

#### Planning and **Environmental Studies PEL/NEPA**

### Engineering **Studies**

#### Environmental **Data Collection**

- Environmental Surv
- Field Reviews

#### **Engineering Dat** Collection and A

- Project Mapping
- Roadway and Struc Evaluation
- Survey/Geotechnic

# **IL 18 RIVER BRIDGE PROJECT**

# Phase I Study Process

		2021						2022				2023
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	Plann	ing and Enviror	nment Link	ages (PEL)	1			National E	nvironmen	tal Polic	cy Act (NEPA)	
n urveys	Purpose and bed• Identify the transportation problems the project will address		<ul> <li>Develop Alternatives</li> <li>Meet Purpose and Need</li> <li>Compare Social, Economic, and Environmental Impacts</li> </ul>		<section-header><list-item><list-item></list-item></list-item></section-header>		<section-header></section-header>		<section-header></section-header>			
ata Analysis• Crash Analysis• Uructural• Existing Drainage Patterns• Field Reviews			<ul> <li>Develop and Evaluate Predimension</li> <li>Preliminary roadway alignmension</li> <li>Preliminary structure studies</li> <li>Preliminary drainage and hyrd</li> </ul>			nt and profile		<section-header><section-header></section-header></section-header>		<section-header><text></text></section-header>		
		2024						2022				0000

2022

#### 2021



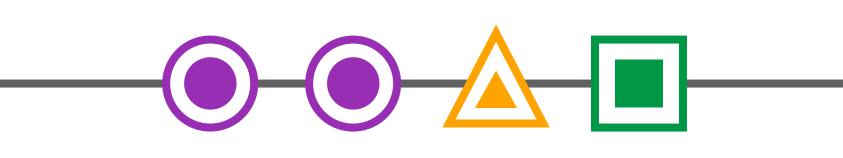
2023

# Phase I Project Schedule **Target Completion – 2 years**

### 2021

### **Identify Problem/ Develop Purpose & Need**





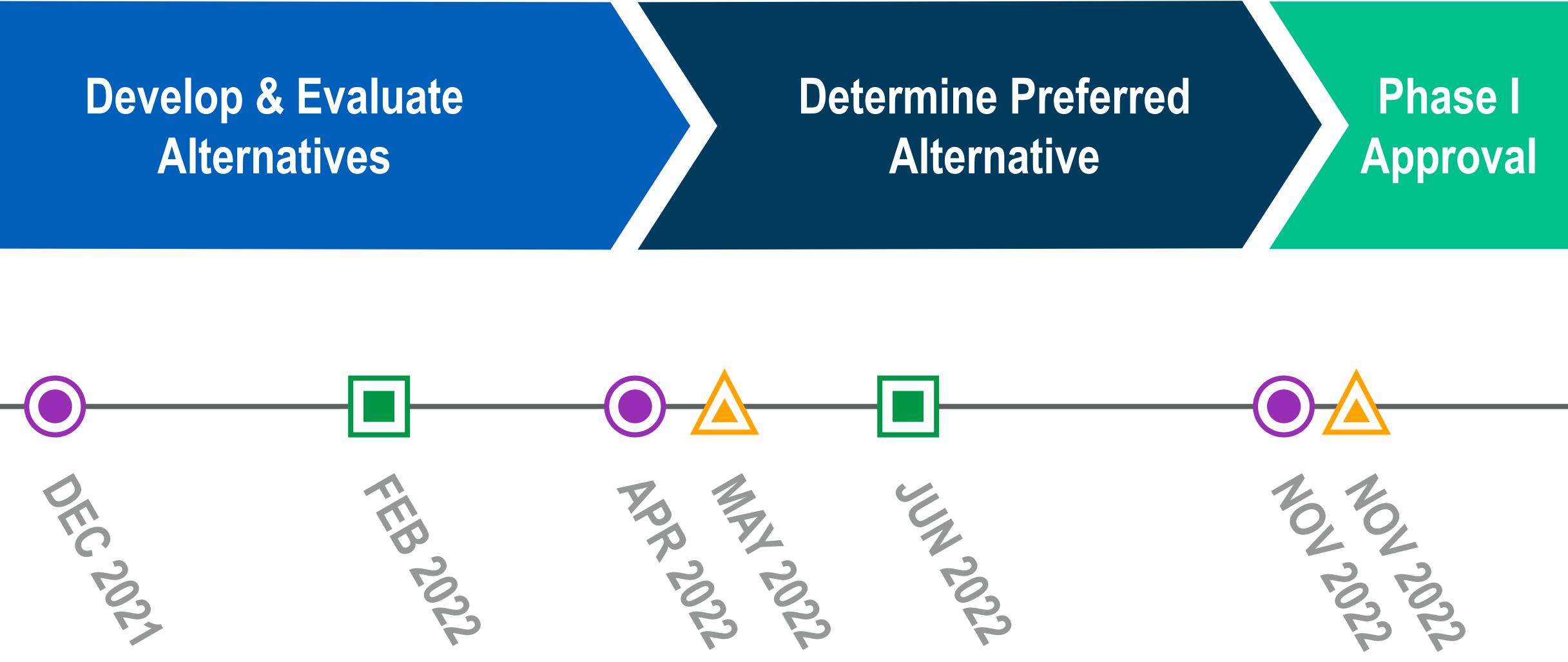




# **IL 18 RIVER BRIDGE PROJECT**

### PHASE I –

# Alternatives



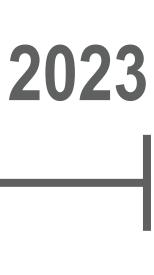
### **Public Involvement**







O Community Advisory Group Meeting A Public Meeting/Hearing Environmental Coordination Meeting



## Purpose

### Need

- Regional Connectivity



# **IL 18 RIVER BRIDGE PROJECT**

# **Purpose and Need**

The purpose of the project is to accommodate IL 18 traffic through the project area and across the Illinois River on a transportation system that is structurally sound, meets current design standards, provides a safe crossing for the public, reduces flooding over IL 18, supports regional connectivity needs, and meets the needs of river traffic.

Structural Integrity – Condition of the superstructure and substructure Design Standards – Narrow roadway deck does not meet current standards Safety Concerns – Narrow roadway increases likelihood of crashes

 Essential link connecting Marshall and Putnam counties and surrounding region - Flooding often results in roadway and bridge closures and adverse travel time



# **Public Involvement Activities**

- **Public Meetings** Large meetings open to the public to gather input and to provide updates on the project (2 meetings)



# **IL 18 RIVER BRIDGE PROJECT**

 Stakeholder Meetings – One-on-one meetings with stakeholders Context Audit – Survey to identify characteristics that define the project Community Advisory Group – Small group of local stakeholders

• Public Hearing – Large meeting open to the public to present the environmental document and the preferred alternative and to receive comments (1 meeting)

Project Website – www.IL18RiverBridgeProject.com

# Section 106 and Section 4(f)

## **Section 106 of the National Historic Preservation Act**

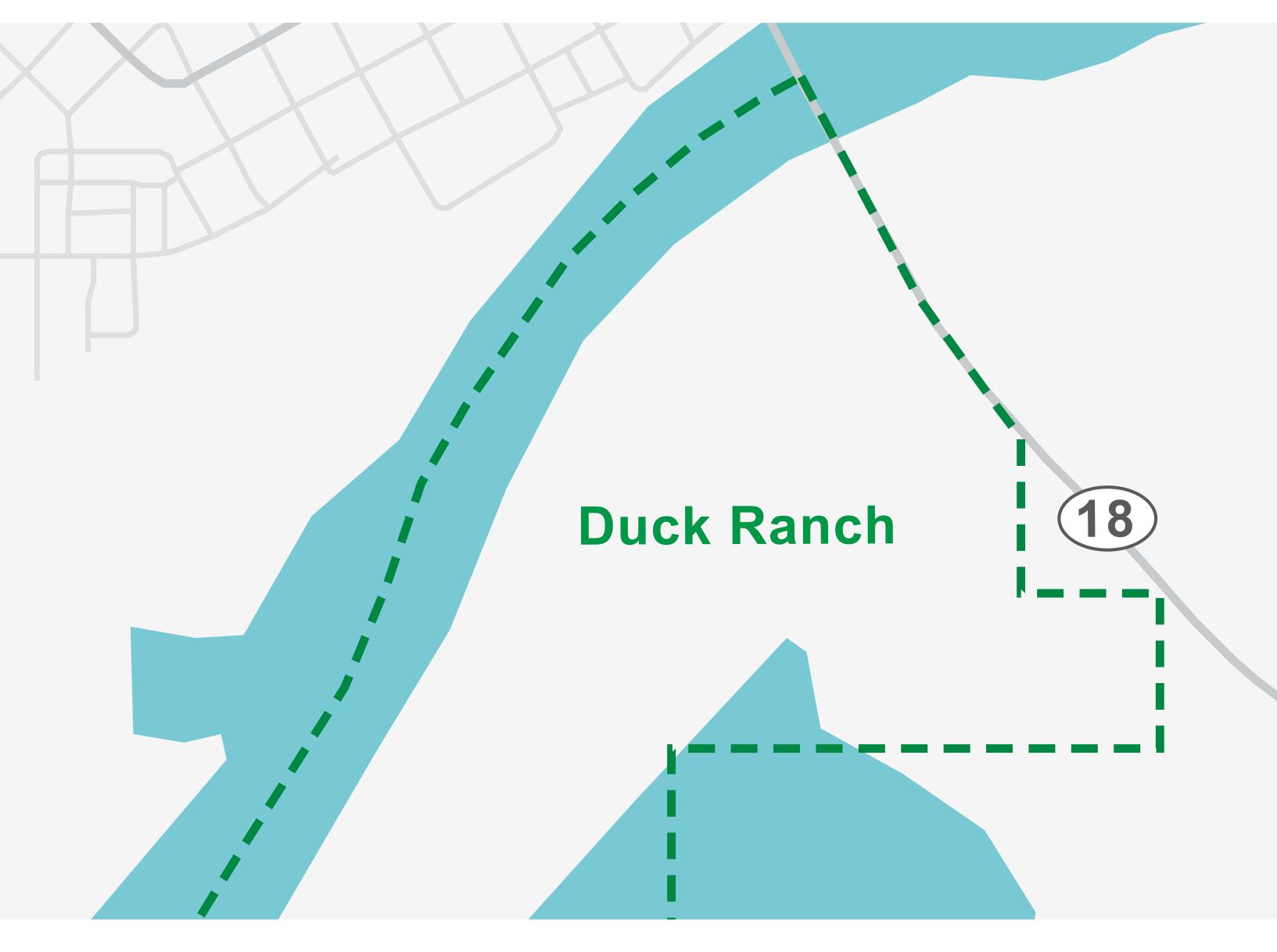
- Consider the effects of federally funded projects on historic properties
- Identify historic properties, assess the effects and explore alternatives to avoid, minimize, or mitigate adverse effects

## **Section 4(f) Properties**

- Publicly-owned public parks, recreational areas of national, state, or local significance, wildlife or waterfowl refuges; or lands from a historic site of national, state, or local significance
- Determine that there is no feasible and prudent alternative to avoid the Section 4(f) properties
- Includes all possible planning to minimize harm to the Section 4(f) properties

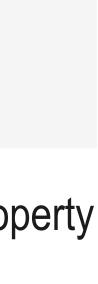
# **IL 18 RIVER BRIDGE PROJECT**





Example: Duck Ranch owned by the Illinois Department of Natural Resources is a Section 4(f) property













# **IL 18 RIVER BRIDGE PROJECT**

# Land Acquisition

# Phase I Study will identify project location, construction limits, and right-of-way needs

# Land acquisition cannot begin until Phase I study is approved

# Land acquisition follows federal regulations and offers are based on Fair Market Value

# ENR

Central Park

SIREE

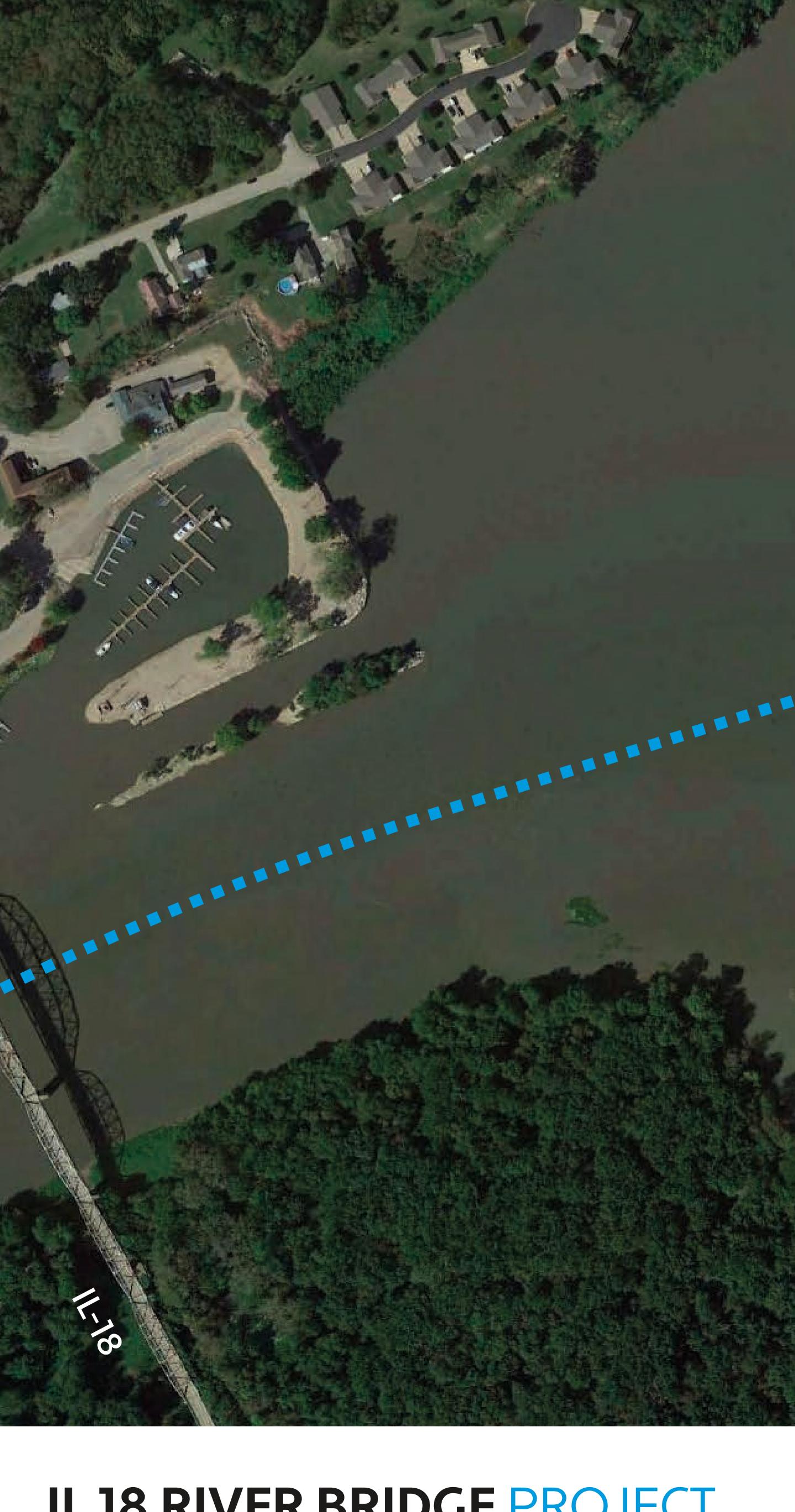




Water Works Park

FRO

8



### IL 18 RIVER BRIDGE PROJECT



Centra Park



#### LEGEND

---- County Line

Study Area



PUTNAM COUNTY MARSHALL COUNTY

SRIVER

### SAWMILL LAKE

IL-18

