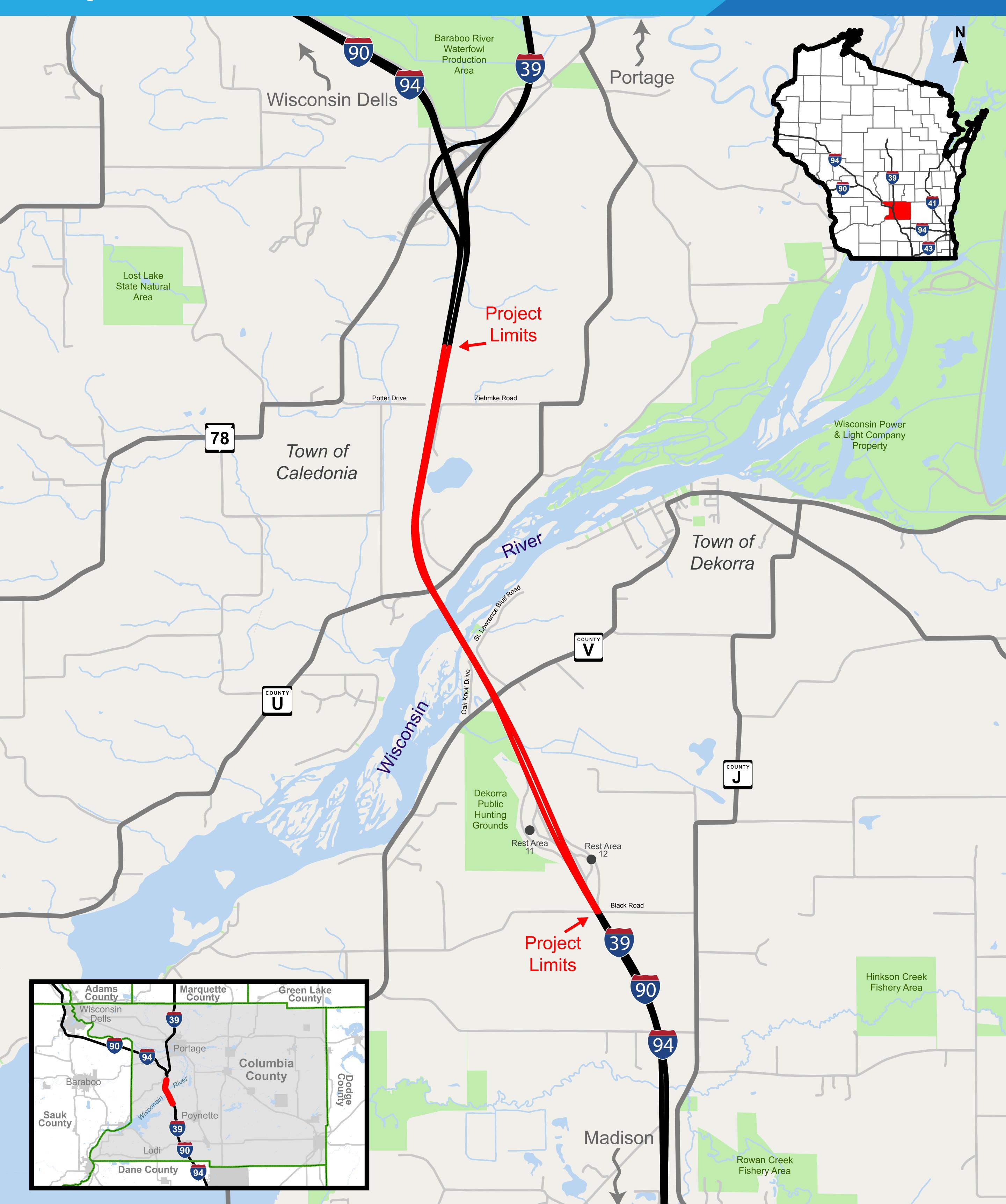
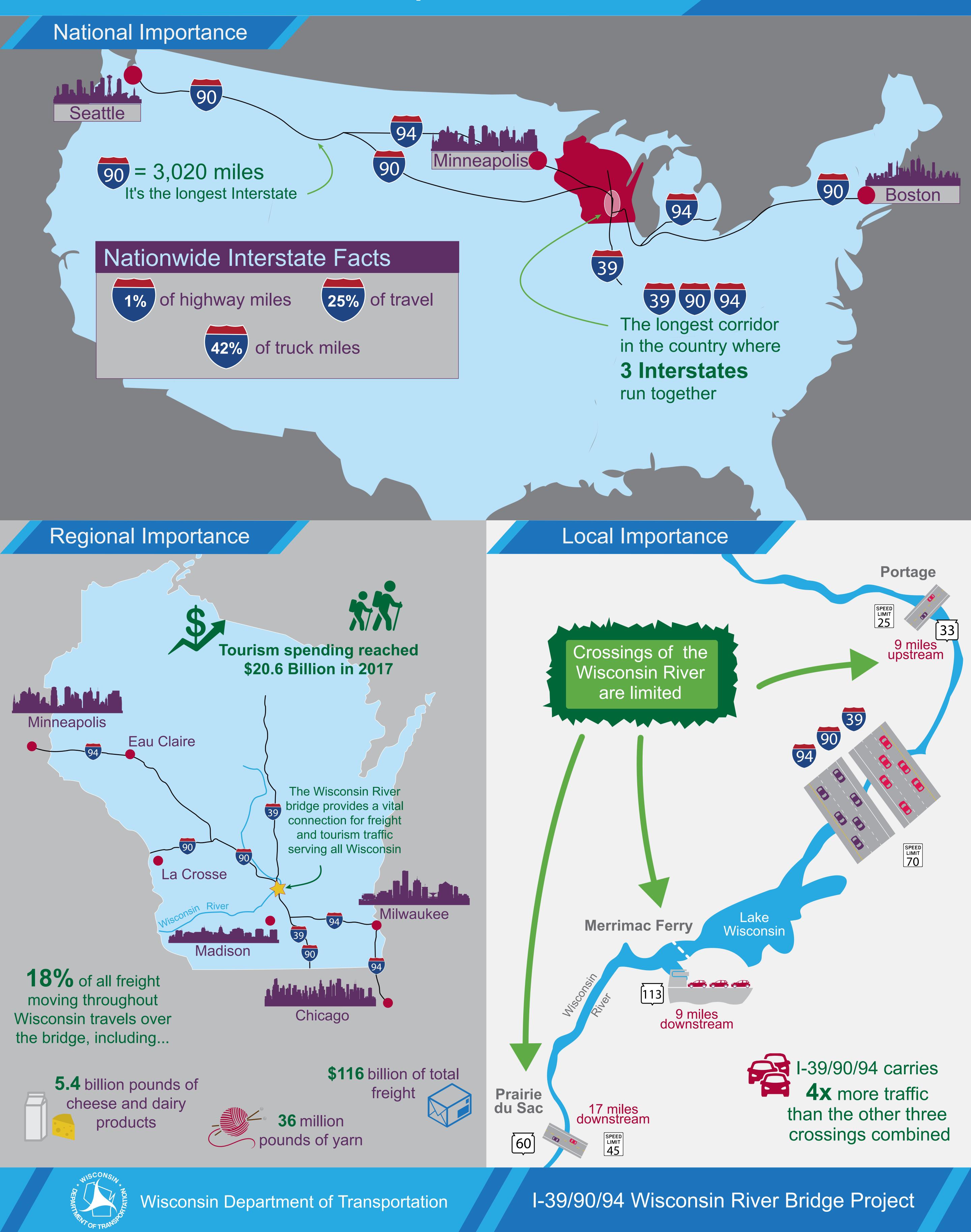
Project Location





I-39/90/94 Route Importance



Purpose Statement:

The purpose of the I-39/90/94 Wisconsin River Bridge Project is to address the needs of the aging I-39/90/94 structures and maintain vehicular traffic across the Wisconsin River in the towns of Dekorra and Caledonia located in Columbia County.

Primary Need:

Condition of the Wisconsin River Bridge

Secondary Needs:

Traffic Demands

Roadway Geometrics



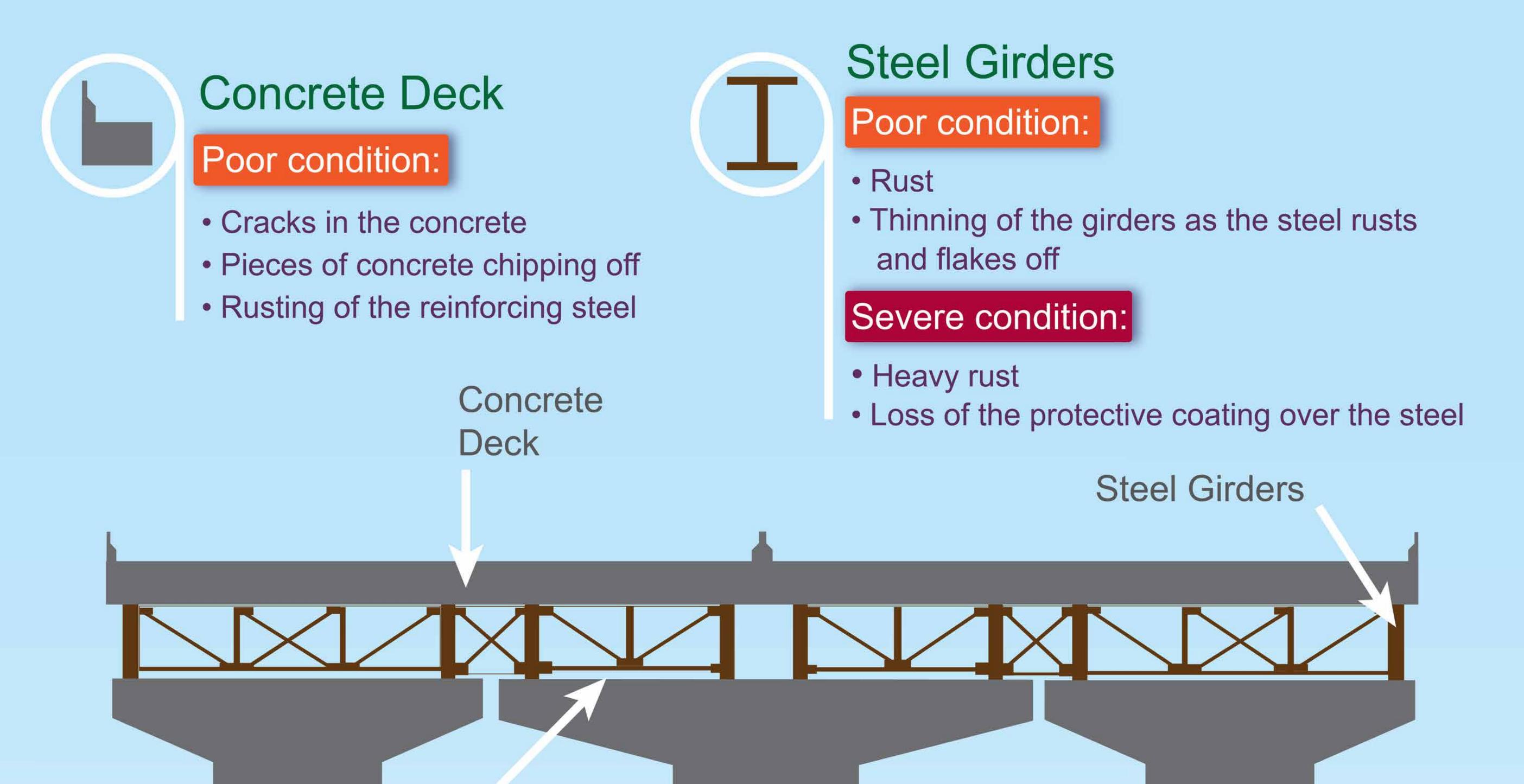


Primary Need of the Project

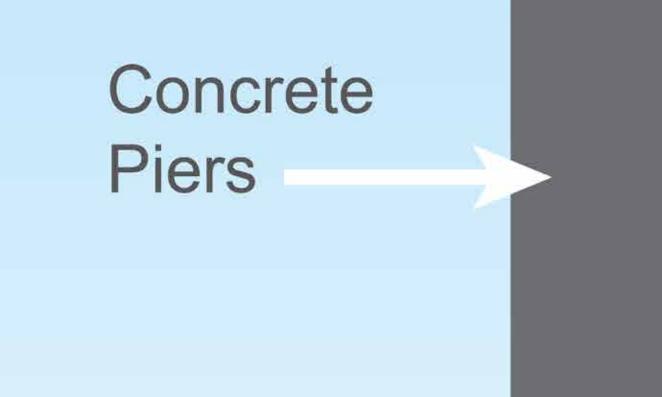
Wisconsin River Bridge Condition is Deteriorating

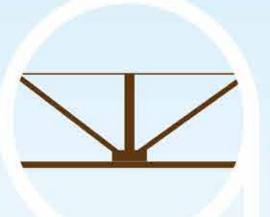
The bridge is inspected every two years to assess the condition of each bridge element. Inspectors assign multiple condition ratings to each bridge element. A portion of the following bridge elements were given a rating of poor or severe.





Secondary Steel Members





Secondary Steel Members

Poor condition:

- Heavy rust
- Warping at the connections
- Deterioration of the steel
- Loss of protective coating over the steel

Concrete Piers Poor condition:

- Cracks in the concrete
- Pieces of concrete chipping off
- Exposed reinforcing steel



Primary Need of the Project

Example Bridge Deficiencies

The pictures below show examples of current deficiencies. While these deficiencies currently do not deem the bridge unsafe, deterioration will continue to occur if not addressed.



Loss of protective coating over steel elements and connections.

Cracking of the asphalt overlay causes deterioration of the bridge deck.

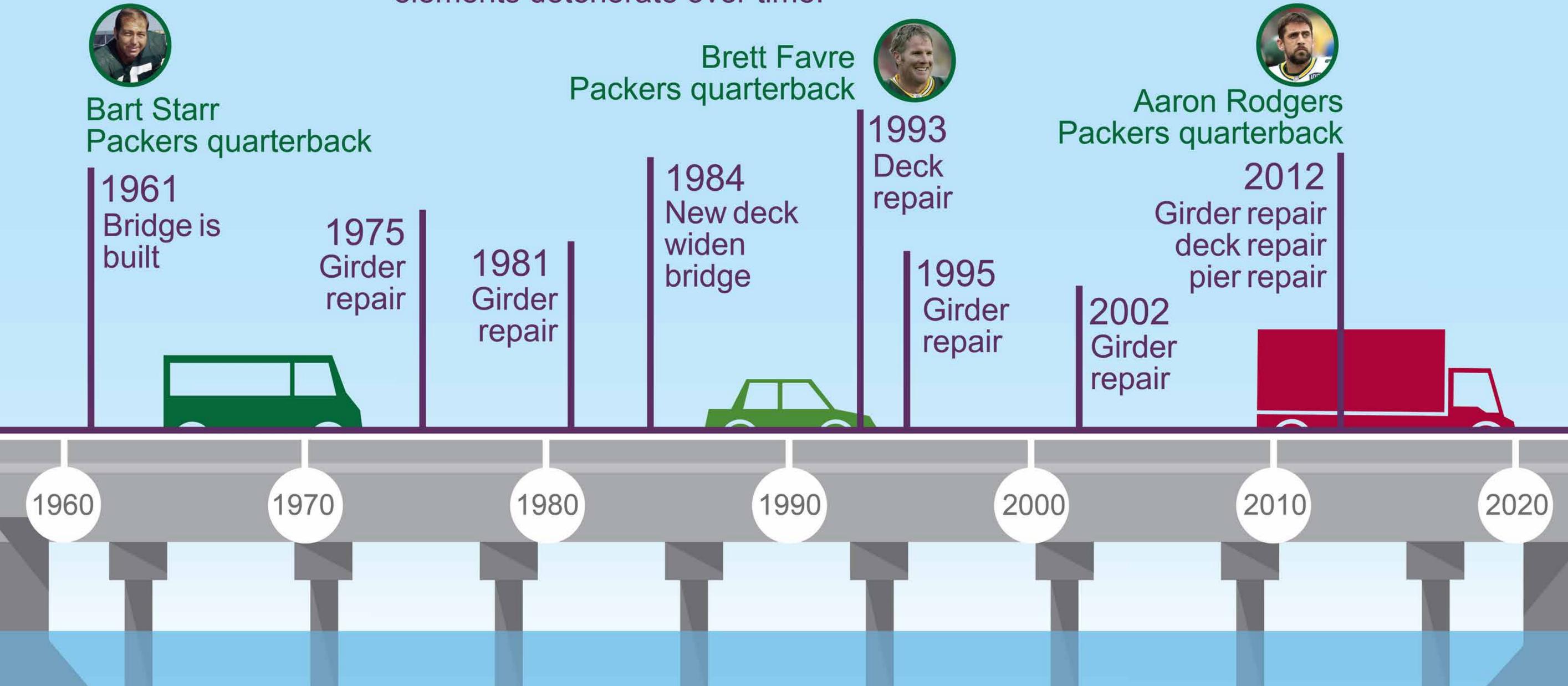
Poor condition

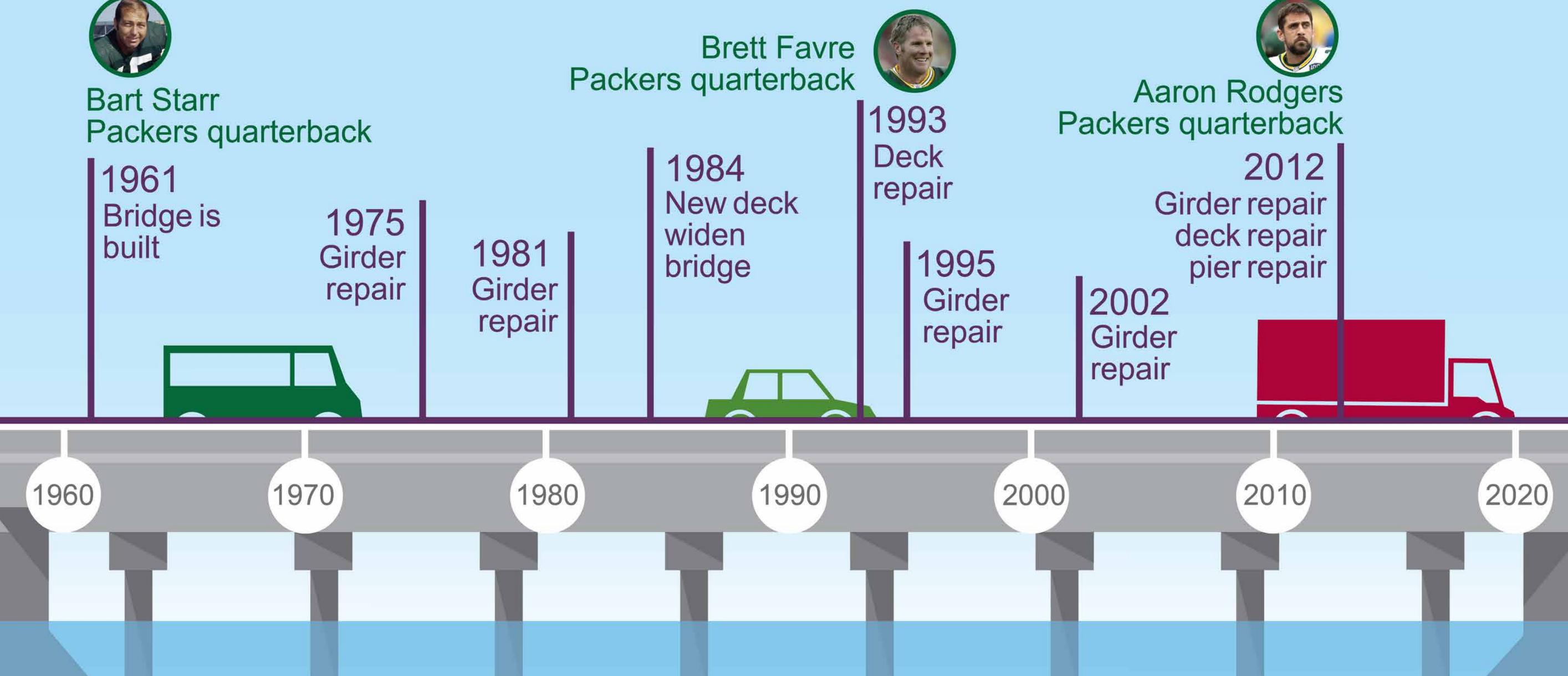


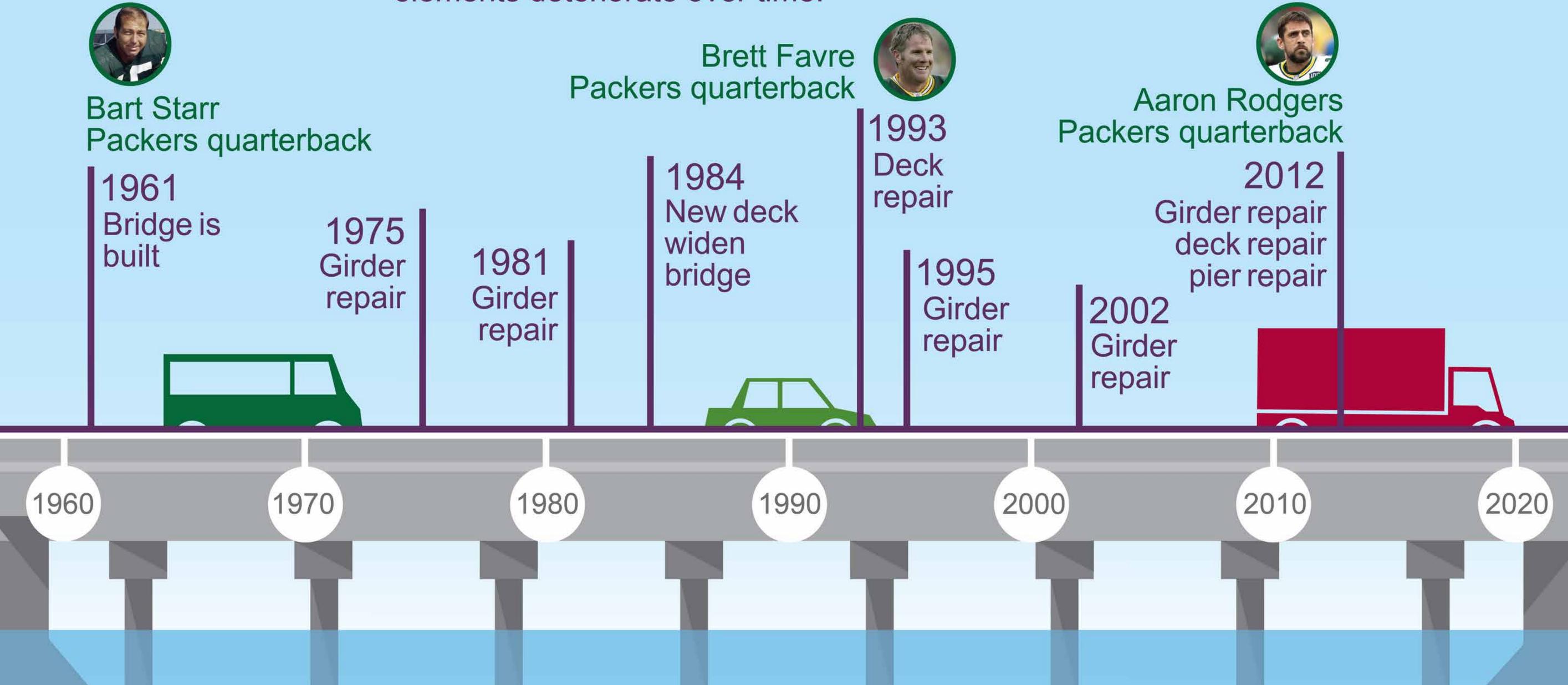
Concrete on the bottom of the bridge deck is cracking and chipping off, exposing the reinforcing steel.

Pack rust has formed between steel elements causing bulging and distortion, leading to added stress and cracking in the concrete deck.

History of Repairs The Wisconsin River Bridge has been repaired seven times since it was constructed in 1961. The past repairs have served as solutions to preserve and extend the service life of the bridge. However, even with the past repair work, deficiencies remain with the existing bridge due to the nature of how bridge elements deteriorate over time.



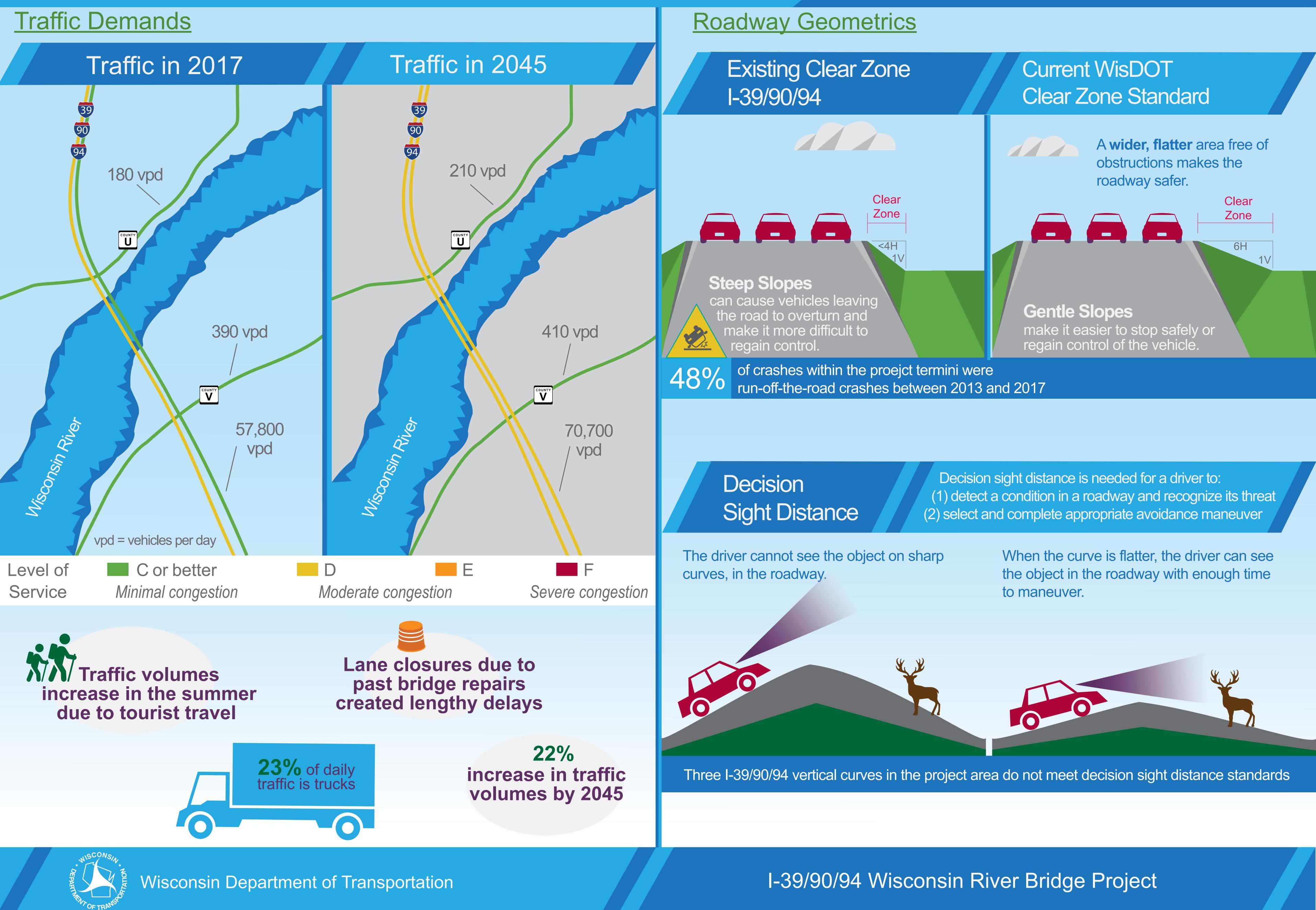




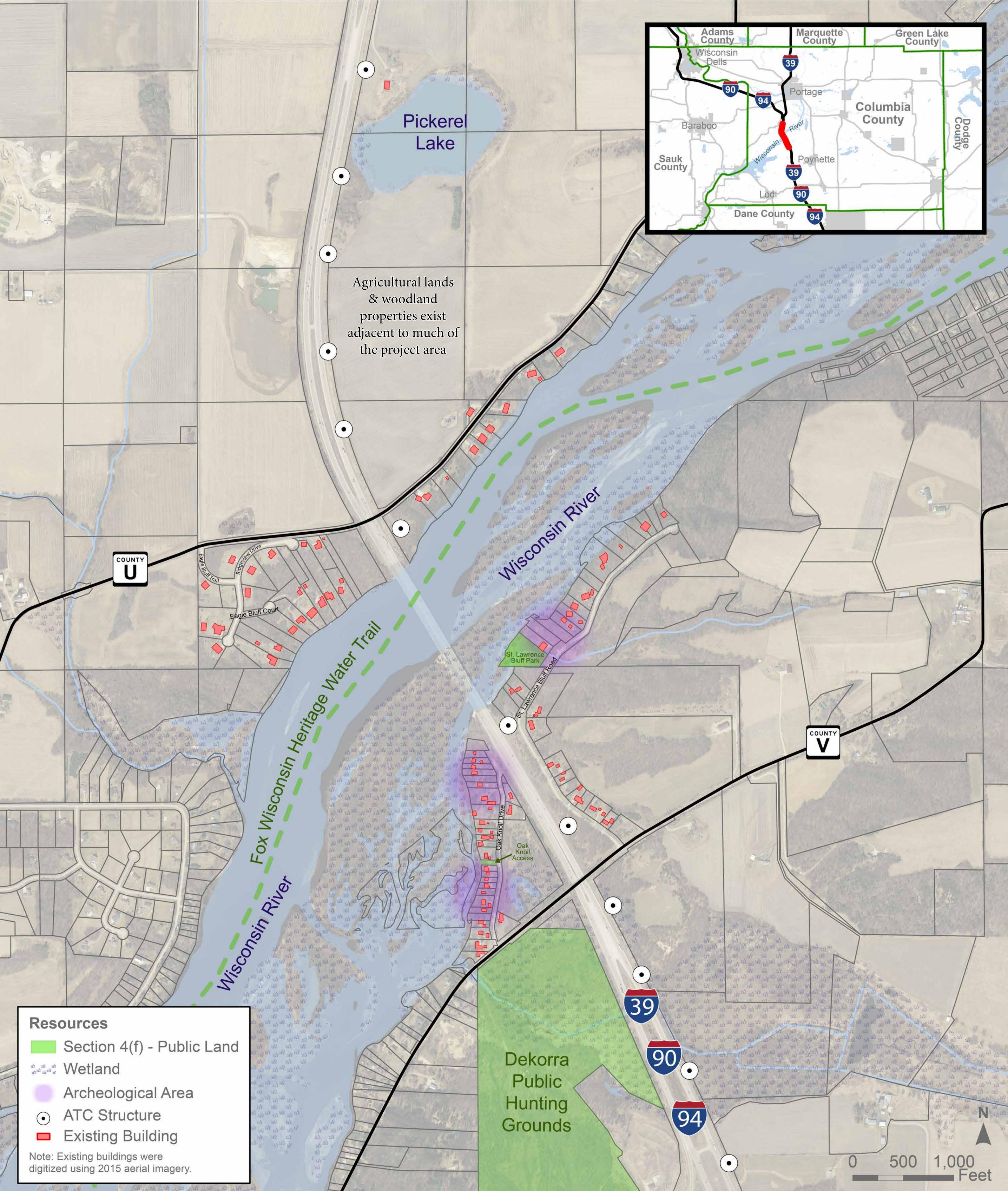


Wisconsin Department of Transportation

Secondary Needs of the Project



Known Project Area Resources

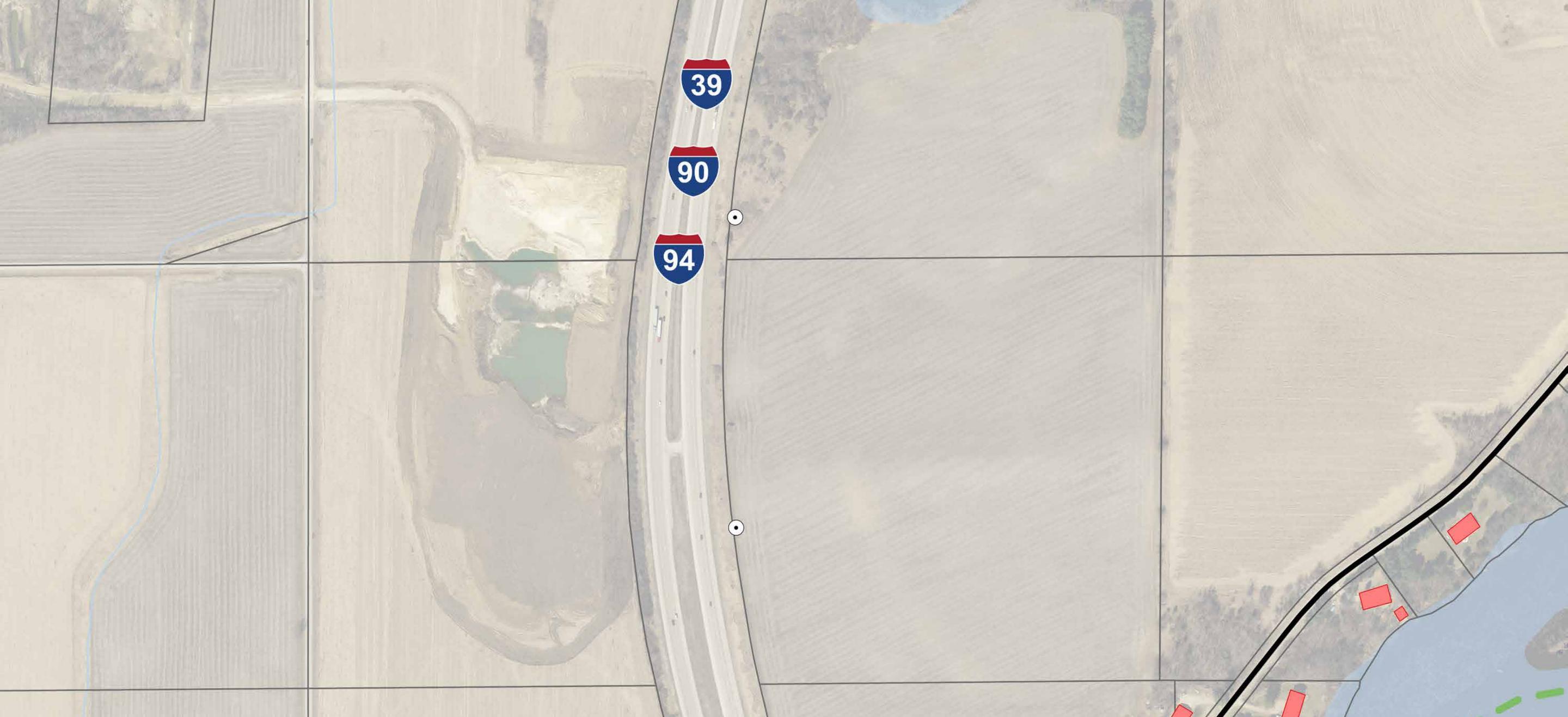




Public Input Map (North of the Bridge)

We want your input!

- Place a numbered sticker on the map to identify project resources or concerns
- Describe the problem on a comment card and include the sticker number you used



Resources

- Section 4(f) Public Land
- Wetland
 - Archeological Area

COUNT

- ATC Structure
- Existing Building

Note: Existing buildings were digitized using 2015 aerial imagery.



Eagle Bluff Trail

19eview Drive

I-39/90/94 Wisconsin River Bridge Project

3

Wisconsin River

50

Water

Keriidoo

- in contraction of the contract

1,ot

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Pickerel

Lake

Public Input Map (South of the Bridge)



Section 4(f) - Public Land Wetland

Archeological Area

ATC Structure (\bullet)

Existing Building

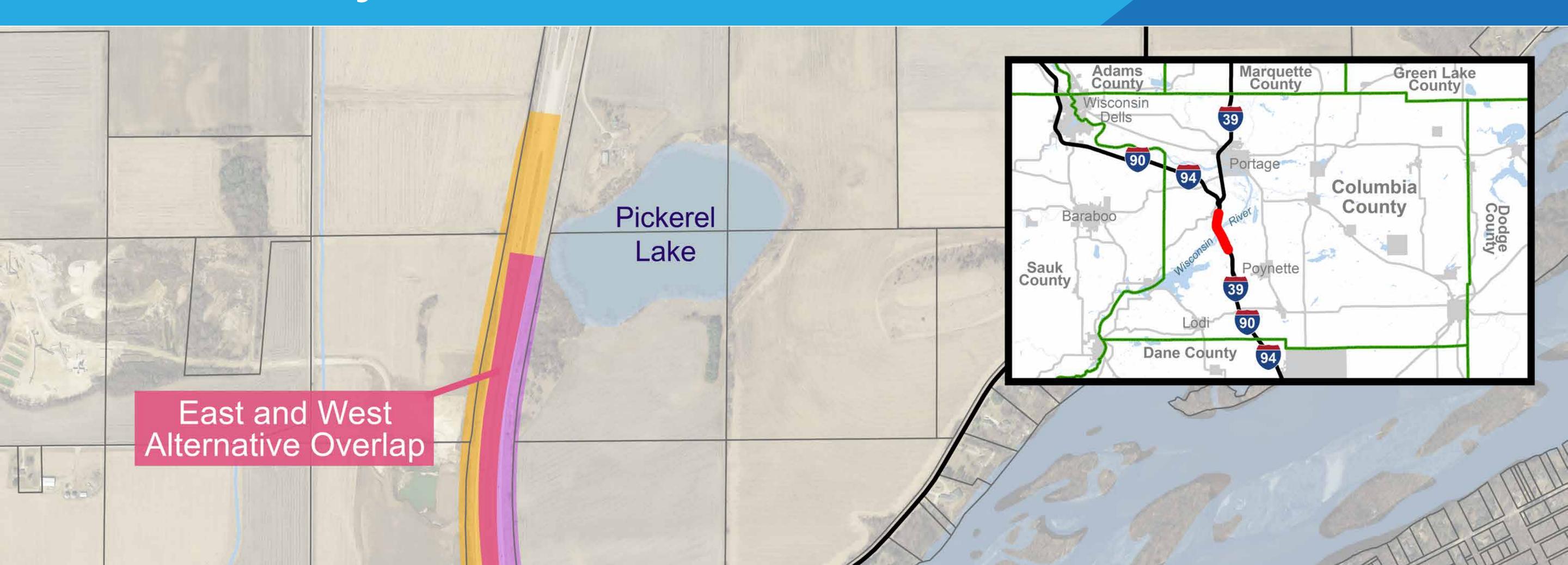
Note: Existing buildings were digitized using 2015 aerial imagery.

Hunting Grounds 94

500 Feet



Preliminary Alternatives



East

Alternative

Construct a new bridge just east of the existing bridge
Shift I-39/90/94 to east to match the new bridge
Evaluate County U and V bridges for possible replacement

COUNT

 Rehabilitation
 • Repair the bridge in its current location

 Alternative
 • Replace the concrete deck and repair steel supports

Alternative

West

Wisconsin River

- Construct a new bridge just west of the existing bridge
- Shift I-39/90/94 to west to match the new bridge

And in case

COUNT

Evaluate County U and V bridges for possible replacement

le Bluff Coun

East and West Alternative Overlap

(39)

90

94



I-39/90/94 Wisconsin River Bridge Project

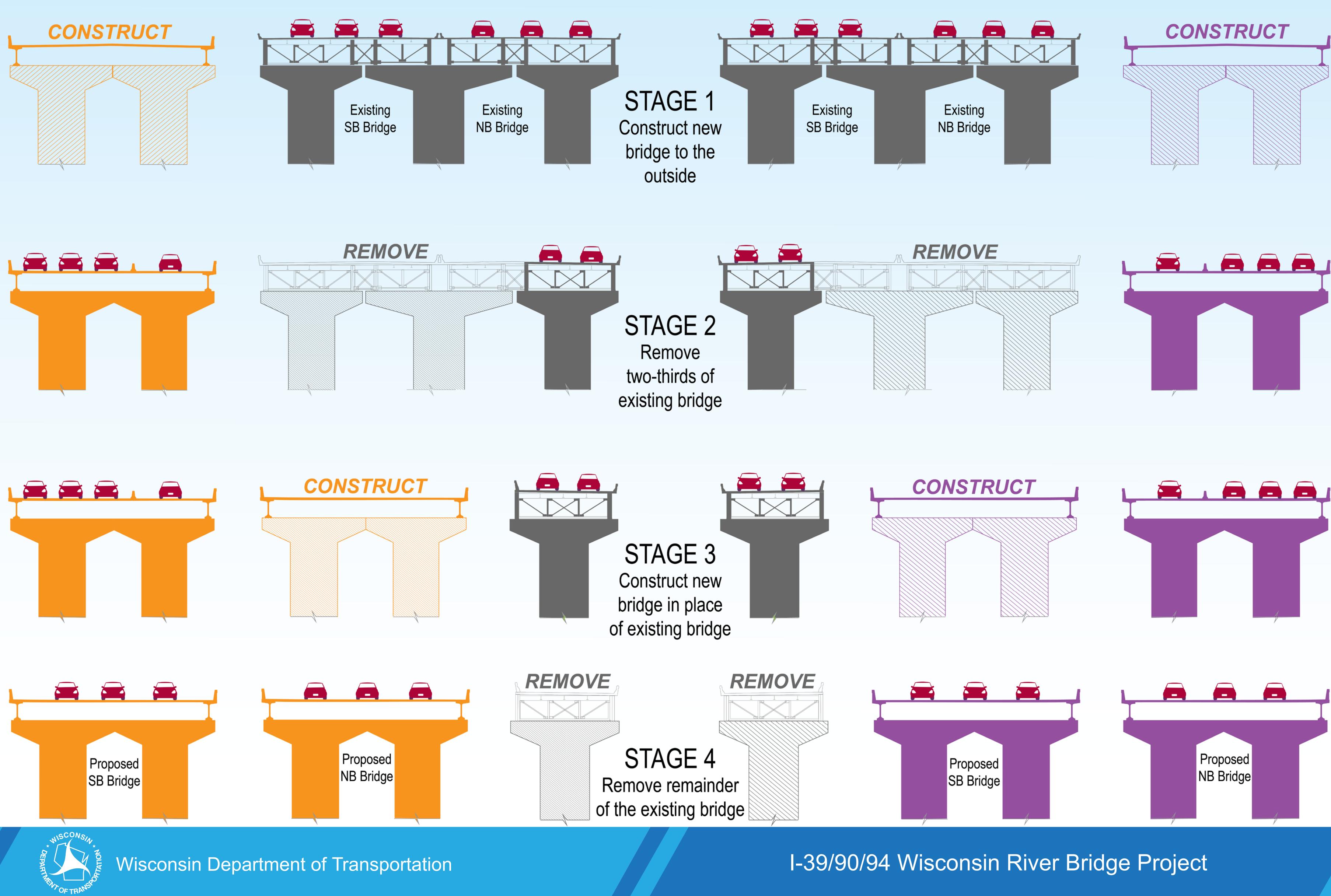
500

1,000

Feet

Construction Staging

West Alternative



East Alternative

Project Schedule

Development of Purpose and Need

Define the issues and goals.

Preliminary Alternatives

Consider all reasonable solutions.

Detailed Study Alternatives

Conduct a screening and evaluation to identify the viable solutions.

Preferred Alternative

Spring 2019

Spring 2019

Summer 2019

Spring 2020

Fall 2020

Identify the preferred solution.

Environmental Document Complete

Document the project in the final study report.

Final Design / Real Estate Acquisition

Design of preferred alternative. Acquire new land (if needed).

2021 - 2023

Construction

If a build alternative is selected, construction may begin mid-2020's depending upon funding.

2024 at the earliest



