



**Main Street, City of Oshkosh
Fox River Bridge**
Dan Machamer
 Hardesty & Hanover
 Public Involvement Meeting
 (Live On-Line)
 February 29, 2024

1

Project Location



2

Project Location



3

Project Purpose

Preserve the operation of the Main Street Bridge

- Structural elements
- Mechanical elements
- Electrical elements




4

Project Need

Structural Elements

- Corrosion and deterioration of the steel components
- Failure of the paint system
- Open grid deck surface
- Concrete delamination






5

Project Need

Mechanical and Hydraulic Elements

- Hydraulic elements are in poor condition (50+ years old)
- Piping and hoses are in moderate to poor condition
- Nearing end of their useful life





6

Project Need

Electrical Elements

- Power and control equipment
 - Some items nearing end of service life
 - No power monitoring equipment
- Electric Motors for Hydraulic Power Unit
 - No longer efficient causing fault protection devices to trip



7

Proposed Improvements

Structural Elements

- Replace the deteriorated steel with new galvanized components
- Complete abrasive blast cleaning and new full paint system
- New galvanized open grid deck surface
- Scarify the concrete deck and overlay with new concrete
- Repairs to the operator house

8

Proposed Improvements

Mechanical and Hydraulic Elements


- Replace the bridge lifting hydraulic cylinders with new
- Replace the locking hydraulic cylinder with new
- Replace all exterior piping/hoses with new

9

Proposed Improvements

Electrical Elements

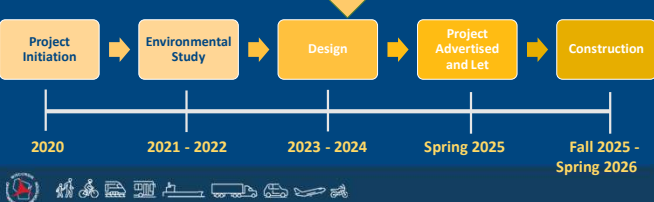
- Replace the existing electric motors for hydraulic power units
- Integrate new elements into the existing PLC system
- Install new power monitoring equipment



10

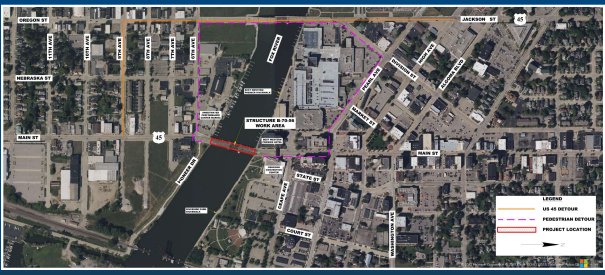
Project Timeline

WE ARE
HERE



11

Detour Routes



12

Business Coordination

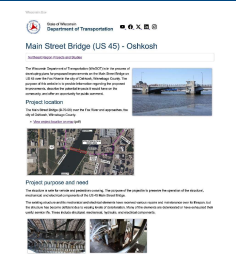
We're In This Together!

- Visit wisconsindot.gov/together
 - Tips, tools and resources
 - New (2021) business coordination guide
- Project team is here to help
 - What information would help you...
 - Inform customers about the project?
 - Coordinate with suppliers?
 - Communicate with employees?



13

How to stay informed?



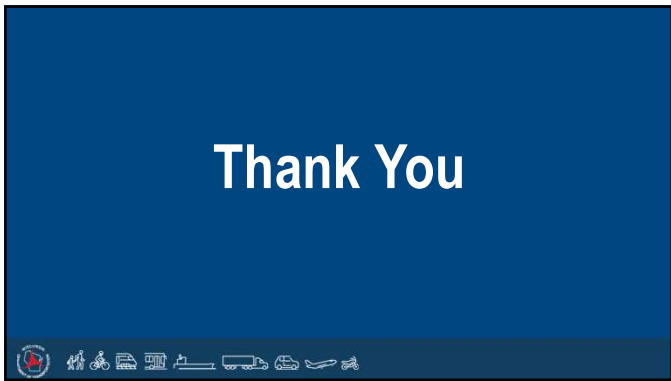
<https://wisconsindot.gov/Pages/projects/by-region/ne/45broshkosh/default.aspx>

14

Project Contacts

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15



16