



# Red Wing Bridge Project



Red Wing City Council  
November 12, 2013

*Your Destination...Our Priority*





# Overview of Past Progress

- Decided to proceed with new two-lane river crossing in current location
- Completed Bridge 9103 Rehabilitation Study
- Identified and refined recommended set of concepts for the MN and WI approach roadways
- Identified three recommended river bridge types

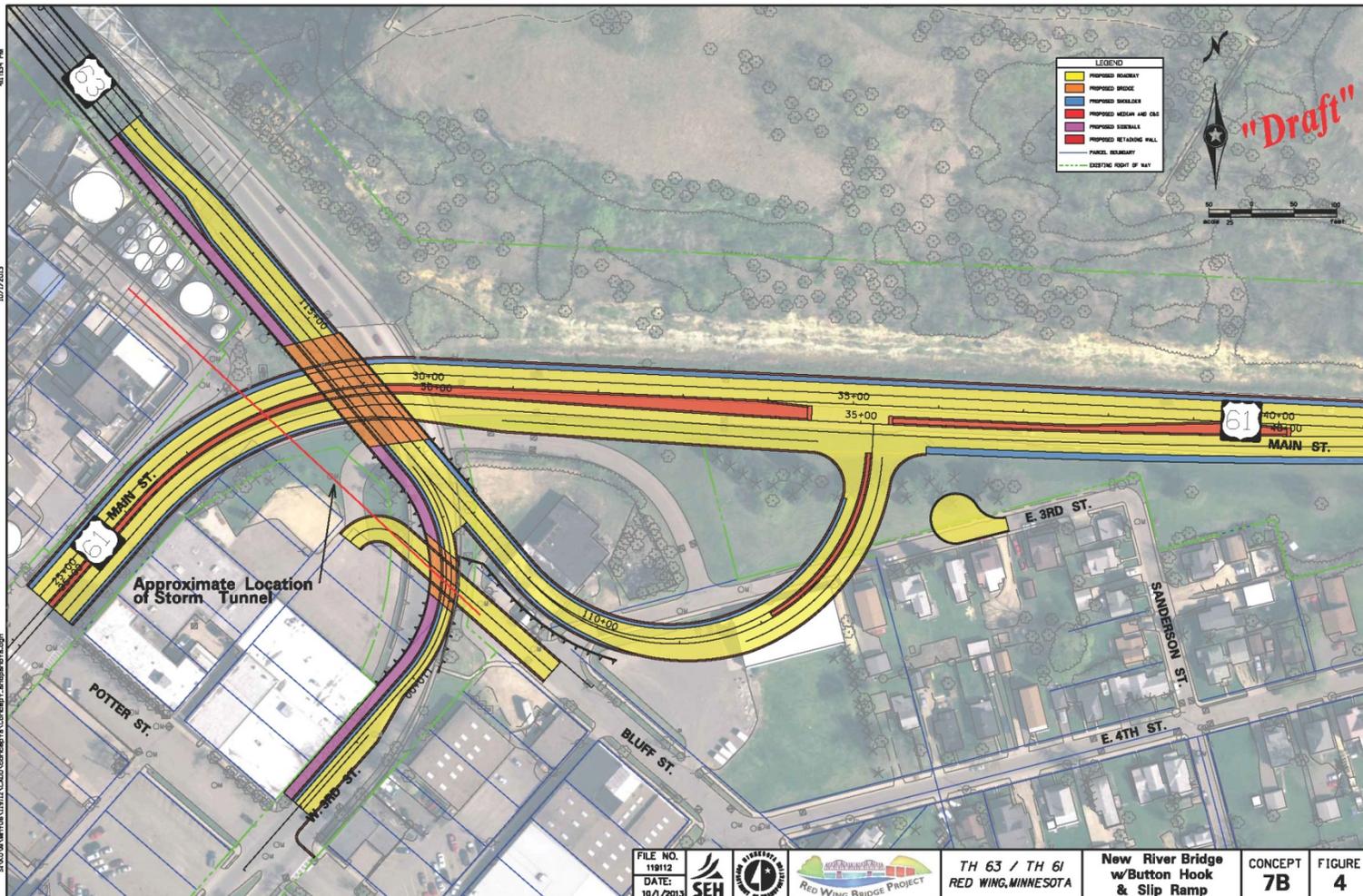








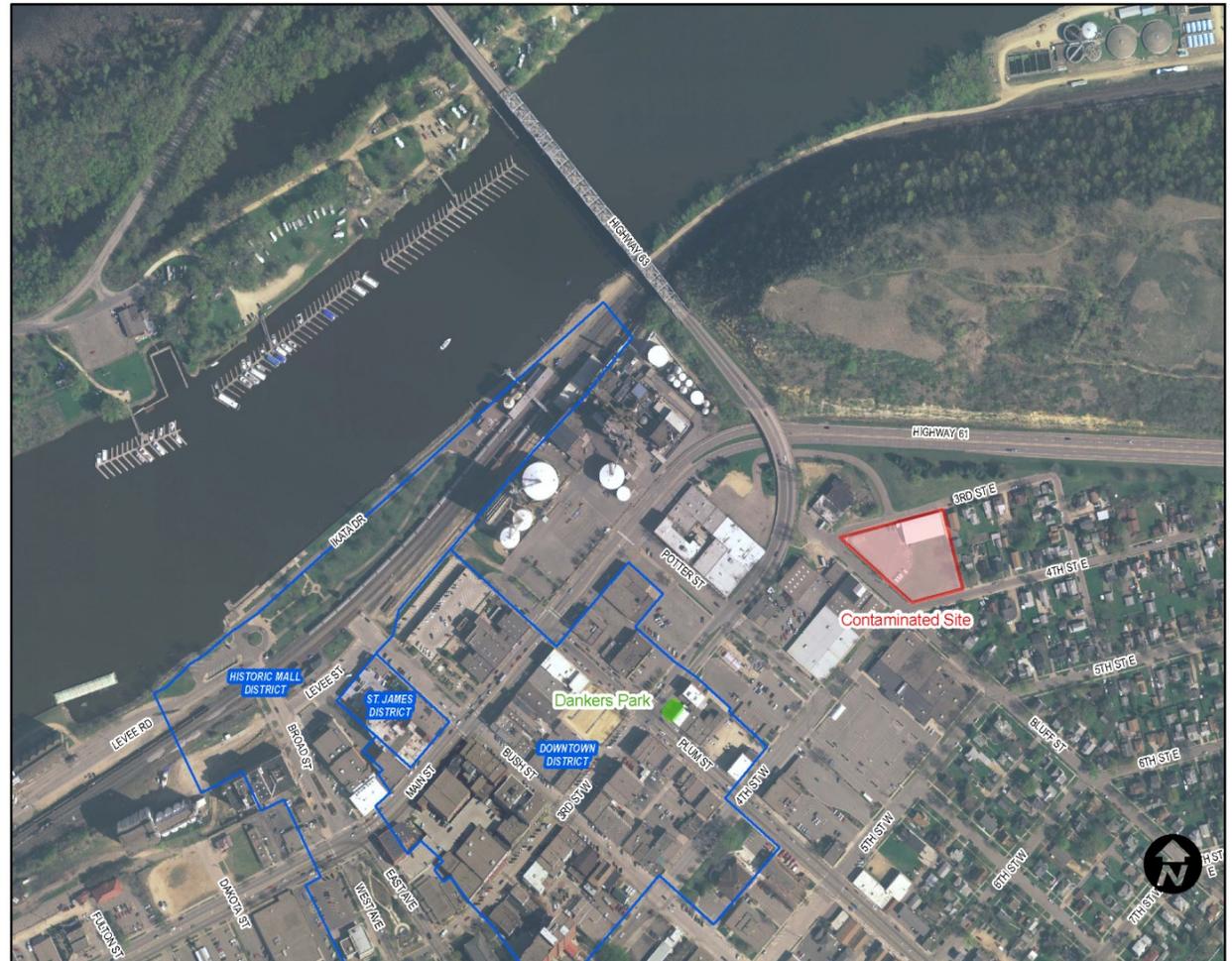
# Buttonhook





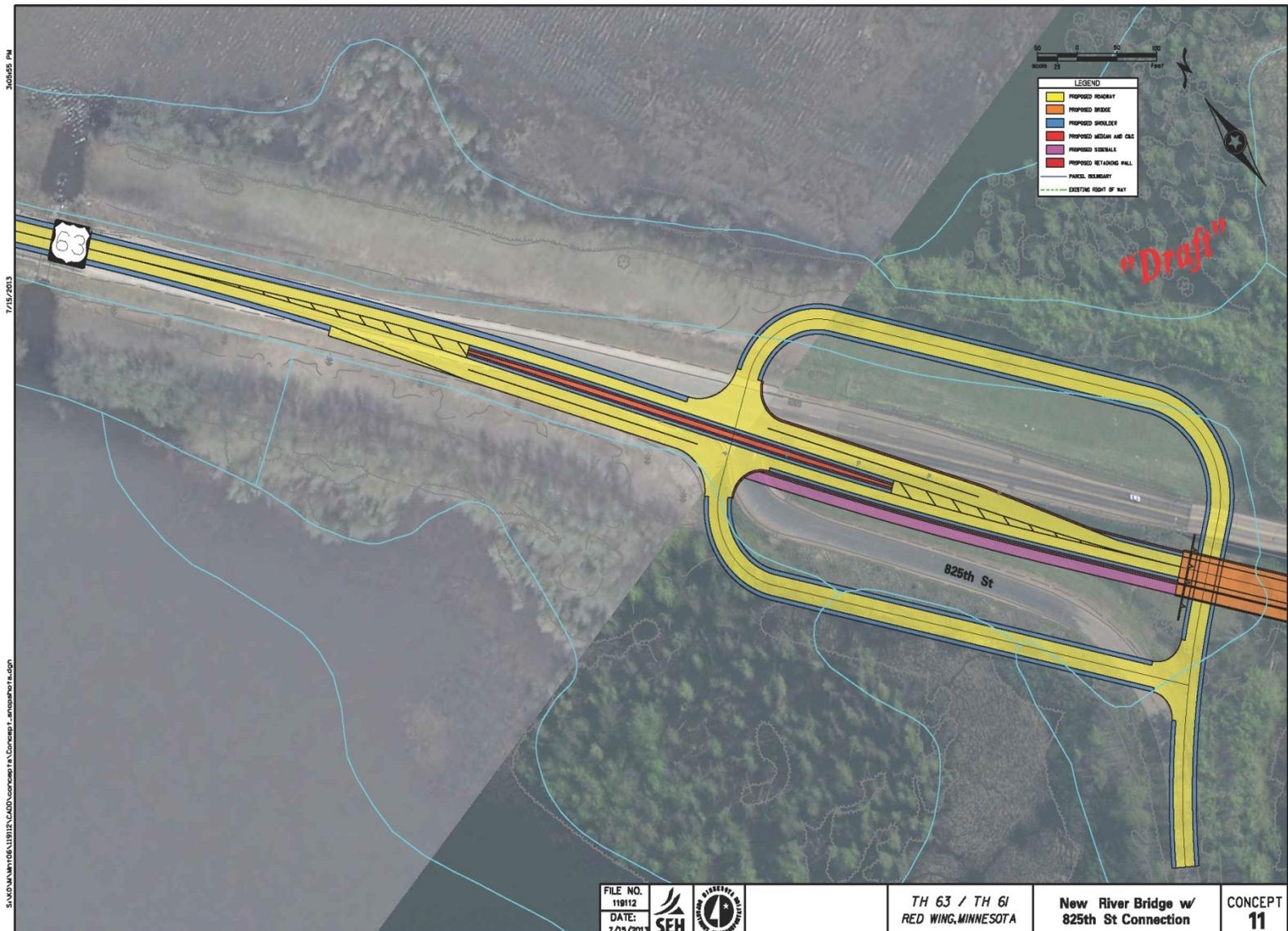
# Minnesota Approach Alternatives

- Br 9103 Feasibility & Prudency
- Evaluation centers on:
  - Purpose and Need
  - Cost Factors
  - SEE Factors
- Contamination Issues





# Wisconsin Approach – Recommended Option





# New River Crossing Bridge Concepts



TIED ARCH



CONCRETE SEGMENTAL BOX GIRDER



STEEL BOX GIRDER





# Tied Arch

- Least approach roadway impacts
- Requires periodic painting
- Moderately complex construction & inspection
- Highest construction cost





# Segmental Concrete Box Girder

- Greatest approach roadway impacts
- Does not require painting
- Simpler construction & inspection
- Most cost effective structure type





# Steel Box Girder

- Moderate approach roadway impacts
- Requires periodic painting
- Simple construction & inspection
- Cost effective structure type





# Classic Arch Bridge





# Contemporary Arch Bridge





# Classic Girder Bridge





# Contemporary Girder Bridge





# Next Steps

- Continue drilling and environmental investigations;
- Complete evaluation of the Minnesota approach alternatives and the three bridge types;
- Obtain public input;
- Identify the recommended Minnesota approach option and river bridge type;
- Proceed with the Environmental Assessment (EA)





# Public Outreach Update

- Listening Session #4 held earlier today
- Open House #3 – early 2014
- Newsletter #3 – to be issued prior to Open House #3
- Project Presentation Opportunities
- Website: <http://www.dot.state.mn.us/d6/projects/redwing-bridge/index.html>





# Questions / Comments



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