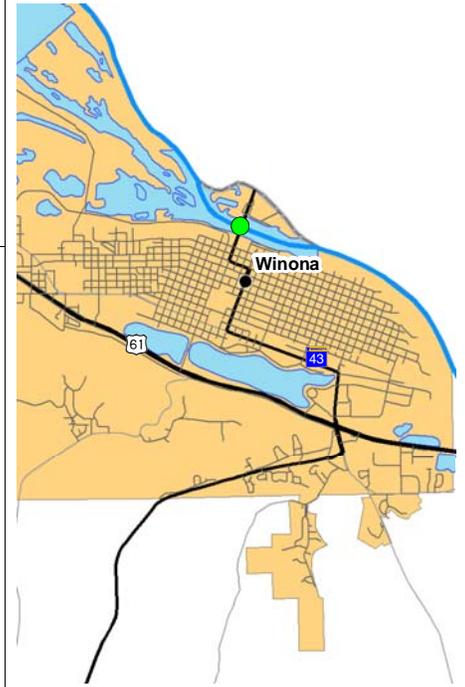


# PROJECT SUMMARY

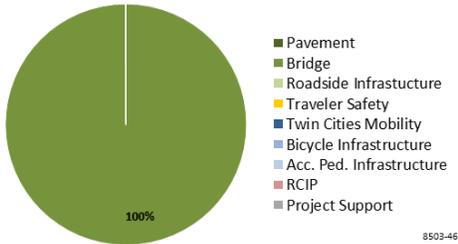
Hwy 43  
 Winona Bridge over Mississippi River  
 Bridge 5900  
 State Project No. 8503-46  
<http://www.dot.state.mn.us/d6/projects/winobridge/>



## Primary Purpose:

Performance-based Need: Bridge Condition

## Investment Category:



## Project Description:

Construct a new bridge and rehabilitate the existing bridge, along with associated roadway work.

## Recent Changes and Updates

MnDOT recommended a two-lane bridge for this river crossing. A new bridge will be constructed to carry Hwy 43 traffic and then the existing bridge will be rehabilitated/reconstructed.

The current estimate matches the baseline estimate very closely. The initial estimate was considerably higher as there were higher contingencies built into the preliminary cost estimate. Since moving forward using the Construction Manager / General Contractor (CMGC) approach, the risks and contingencies are more fully understood.

## Project History:

The Winona Bridge was built in 1941, and recent inspections indicate the need for rehabilitation/replacement. Bridge inspections revealed corrosion issues. The existing bridge was closed to all traffic for one week in 2008 for emergency repairs. It is also considered eligible for the National Register of Historic Places. Because of this, MnDOT recommended rehabilitation of the existing bridge, along with building a new bridge parallel to the old bridge.

## Total Project Cost Estimate (millions)

Date in which the project entered into the STIP: 2010

	<u>Baseline Est.</u>	<u>Current Est.</u>
Construction Letting:	\$ 140.0	\$ 141.0
Other Construction Elements:	\$ 0.0	\$ 0.0
Engineering:	\$ 25.2	\$ 27.0
Right of Way:	\$ 16.2	\$ 14.0
<b>Total:</b>	<b>\$ 181.4</b>	<b>\$ 182.0</b>

*Construction cost estimates are adjusted to the mid-year of construction, using inflation rates provided by OTSM.*

## Key Cost Estimate Assumptions:

The environmental impacts with bridge and roadway approach work will not be significant. Contamination issues will not be cost prohibitive. The project has a maximum price cap of \$142 million from Chapter 152 funding for engineering and construction with an additional \$20 million for right of way acquisition. Recent cost projections indicate the need for about \$25M in additional project funding in order to complete the project because the original project scope was for a new four-lane bridge, yet now there is a new bridge and a rehab; the old bridge has deteriorated more than expected recently; and, the current design will provide a structural design that meets current traffic requirements with no load postings.

## Project Risks:

The close proximity of this bridge to the downtown business district of Winona presents unique challenges. The current bridge is eligible for placement on the NRHP. Numerous environmental permits are required. This project is the first CMGC project for the department.

## Schedule:

Environmental Approval Date: January 2014  
 Municipal Consent Approval Date: 08/19/2013  
 Geometric Layout Approval Date: 07/01/2013  
 Construction Limits Established Date: Unknown  
 Original Letting Date: 01/24/2014  
 Current Letting Date: 07/01/2014  
 Construction Season: 2014 to 2019  
 Estimated Substantial Completion: 12/01/2016



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**District Engineer:** Jeff Vlamincik  
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**Revised Date:** 12/15/2015