

Memo

Date: 02/04/2022

To: Bridge Design Engineers

From: Arielle Ehrlich  2022.02.04 11:04:38 -06'00'
State Bridge Design Engineer

RE: Memo to Designers #2022-01: MnDOT Service Life Design Guide for Bridges

In 2020, AASHTO published the first edition of the *Guide Specification for Service Life Design of Highway Bridges*. This document gives guidance for how to design bridges to exceed the estimated 75-year design life that is accounted for in the AASHTO *LRFD Bridge Design Specifications*. While the document clearly identifies the philosophy of service life design, it was never intended to provide specific recommendations for owners.

The *MnDOT Service Life Design Guide for Bridges* explains the practical steps to apply the principles of service life design to bridge projects in Minnesota. That document is available under the "Guidance" section at: <http://www.dot.state.mn.us/bridge/design.html>

All MnDOT projects should implement the new *MnDOT Service Life Design Guide for Bridges* effective immediately. If you have a project where implementation of the document will be challenging, please contact the State Bridge Design Engineer to discuss the situation.

For questions about this memo, please contact Dave Dahlberg (dave.dahlberg@state.mn.us or 651-366-4491) or Arielle Ehrlich (arielle.ehrlich@state.mn.us or 651-366-4506).

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