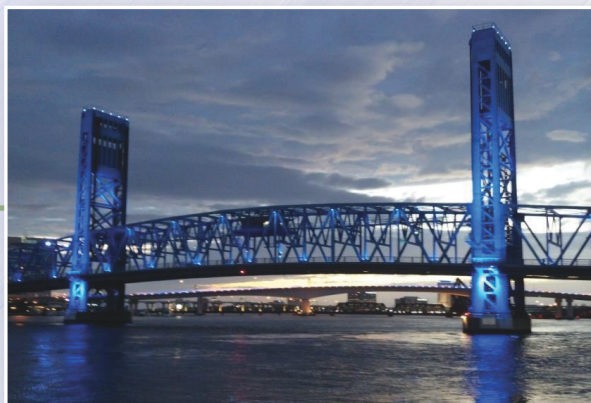




AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS
AASHTO

Movable Bridge Inspection, Evaluation, and Maintenance Manual



Second Edition ♦ 2016

This is a preview. [Click here to purchase the full publication.](#)



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Cover photos:

Upper Left: John T. Alsop Jr. Bridge, also known as the Main Street Bridge, crossing the St. Johns River in Jacksonville, Florida. Photo courtesy of Florida DOT, provided by Parsons Brinckerhoff.

Upper Right: Stoney Creek Bridge, Riviera Beach, Maryland. Photo courtesy of Maryland State Highway Administration; photo provided by Parsons Brinckerhoff archives.

Lower Right: William A. Bugge Bridge, also known as the Hood Canal Bridge, a floating bridge in Washington State that carries Washington State Route 104 across Hood Canal and connects the Olympic and Kitsap Peninsulas. This photo was taken prior to 2001 and shows a Trident nuclear sub, the SSBN Ohio since converted to SSGN Ohio, from the Bangor Naval base south of the bridge. The east half of this bridge no longer exists (design with roadway “wishbone bulge”) and was replaced by the newer east half design in 2006–2010. Photo courtesy of Washington State DOT; provided by the U.S. Navy.

Lower Left: George P. Coleman Memorial Bridge, Gloucester Point and Yorktown, Virginia. Photo courtesy of Virginia DOT; photo provided by Parsons Brinckerhoff archives.

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CHAPTER 1.1—PURPOSE

The intent of this Manual is to present uniform guidelines and procedures for the inspection, evaluation, and maintenance of the nation's existing movable bridge inventory. The Manual provides information pertaining to the unique structural, mechanical, and electrical components and operational characteristics of a movable highway bridge.

The Manual was developed for bridge engineers, inspectors, and maintainers charged with operational and maintenance responsibility for these complex structures. Therefore, the content of each part is intended for a specific group within the industry. Commentary adjacent to the text on the same page provides suggestions on implementing the guidelines and procedures of this Manual and directs the reader to additional sources of information.

C1.1

This Manual was prepared under NCHRP Project 14-32, Proposed Revisions to Movable Bridge Inspection, Evaluation, and Maintenance. The full final report describing the research effort is filed with the National Cooperative Highway Research Program, which is administered by the Transportation Research Board.