Additional Resources in MSEL
Eads Bridge

Books

Title: Rails across the Mississippi: a history of the St. Louis bridge / Robert W. Jackson.
MSEL Call Number Eisenhower Stacks TG25.M6 J33 2001

Title: The Eads Bridge / text by Howard S. Miller; photographs by Quinta Scott.
MSEL Call Number Eisenhower Stacks TG25.S15 S36 1999

Title: Rising tide: the great Mississippi flood of 1927 and how it changed America / John M. Barry.
MSEL Call Number Eisenhower Stacks F354 .B47 1997

Title: The Eads Bridge / photographic essay by Quinta Scott; historical appraisal by Howard S. Miller.
MSEL Call Number Moravia Park TG25.S15 S361 1979

Title: Road to the sea; the story of James B. Eads and the Mississippi River.
MSEL Call Number Moravia Park E 664.E3 D7 1947

Tips on finding these and more books on structures in the MSEL.
http://www.library.jhu.edu/researchhelp/engr/structures/books.html

Journal Articles

Title: Eads bridge strength and safety indorsed by engineers
In: Engineering News Record
Volume: v 100 Issue: n 26 June 28 1928
Pages: p 1009-1010
Abstract: Steel unimpaired after 54 years service and stresses from maximum modern loads are within designed stresses; safety of famous arch bridge, built in 1874, questioned last year, has been indorsed by engineering board of investigation.
MSEL Call Number Gilman Stacks TA1.E63
Database: Compendex

Title: The creeping of rails on the Eads Bridge, St. Louis
In: Scientific American
Issue date: March 24 1900
Abstract: Letter from N. W. Eayrs, the superintendent of the structure, concerning the amount of rail creeping and means adopted to accommodate it. (700 w.)
MSEL Call Number Gilman Stacks Q1.S4
Database: Compendex

Title: Welded highway deck cuts dead load on Eads bridge
In: Engineering News-Record
Volume: v 140 Issue: n 2 Jan 8 1948
Pages: 88-91
Abstract: Replacement of timber highway deck of Eads bridge at St Louis, Mo,
by welded deck of steel grating filled with light weight concrete, on floor system of wide flange beams; advantages of new deck are lessened deadload, improved gradients for vehicular traffic and increased vertical clearance for railroad tracks on lower deck.

**MSEL Call Number Gilman Stacks TA1.E63**
**Database: Compendex**

**Title:** Steel and concrete deck replaces timber roadway on Eads bridge  
**In:** Civil Engineering (New York)  
**Volume:** v 17 Issue: n 7 July 1947  
**Pages:** p 36-38  
**Abstract:** Wrought iron floor beams of 73-yr-old bridge over Mississippi River at St. Louis, Mo, were replaced by steel girders while steel decking and concrete were substituted for timber decking; illustrated description.

**MSEL Call Number Moravia Park TA1.C59**
**Database: Compendex**

**Title:** Some features of Mississippi bridges  
**In:** Civil Engineering (New York)  
**Volume:** v 6 Issue: n 6 June 1936  
**Pages:** p 369-373  
**Abstract:** Progress in design and construction of steel-truss and steel-arch bridges as exemplified by 11 great bridges over Mississippi River between St. Louis and Gulf of Mexico; progressive deterioration of foundation conditions; increasing demands of navigation toward Gulf; history of Eads Bridge; New Orleans Bridge. (See also - discussion n 8 Aug 1936 p 529)

**MSEL Call Number Moravia Park TA1.C59**
**Database: Compendex**

**Title:** Eads bridge, 1864-74, St. Louis, Mo.  
**In:** Progressive architecture 1957 Apr., v. 38, p. 139-142.  
**MSEL Call Number Moravia Park NA1.P7**
**Database: Avery Index to Architecture**

*Tips for finding these articles and more journal articles like these.*

[http://www.library.jhu.edu/researchhelp/engr/structures/journalarticles.html](http://www.library.jhu.edu/researchhelp/engr/structures/journalarticles.html)