

# Bridge Inspection Manual

FOR INVENTORY AND APPRAISAL OF ALABAMA BRIDGES

ALABAMA DEPARTMENT OF TRANSPORTATION MAINTENANCE BUREAU 1409 COLISEUM BLVD MONTGOMERY, ALABAMA 36110

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# **Bridge Maintenance Training Manual**

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#### **Bridge Maintenance Training Manual:**

Bridge Maintenance Training Manual United States. Federal Highway Administration, Wilbur Smith and Training Course, Bridge Maintenance Training United States. Federal Highway Administration, Byrd, Tallamy, MacDonald & Lewis, 1984 Bridge Maintenance Reference Manual ,2016 This document is a comprehensive manual on programs procedures and techniques for properly preserving and maintaining highway bridges This manual is primarily geared towards individuals involved in onsite bridge maintenance and preservation activities and those that supervise and manage these activities however many subjects may be of value to engineers and preservation specialists The BMRM is a revision and upgrading of the previous manual Improved bridge maintenance techniques are addressed and suggested procedures decision aid matrices and job order checklists are provided The purpose of the BMRM is to provide instructions and references for performing a wide range of useful and effective bridge concepts that can be adapted and expanded to provide solutions to specific bridge problems These procedures are not intended to override existing agency guidelines or policy but are to be used as a source of information when the need arises They are not intended as a substitute for consulting an engineer with appropriate qualifications to determine the proper repair method This manual has been developed as a reference to a new National Highway Institute course series on Bridge Maintenance consisting of an instructor led course Bridge Maintenance FHWA NHI 130108 and four web based training courses Fundamentals of Bridge Maintenance FHWA NHI 130107A Bridge Maintenance Painting FHWA NHI 130107B Maintenance of Movable Bridges **Bridge Maintenance Training** FHWA NHI 130107C and Maintenance of Masonry Bridge Elements FHWA NHI 130107D Wilbur Smith Associates, 2003 This reference manual was developed by Wilbur Smith Associates as part of a training course that is presented on behalt of the Federal Highway Administration It is an update of the manuals and courses that were developed and presented by Wilbur Smith Associates in 1983 throught 2000 The objectives are the following 1 Effective maintenance and repair procedures 2 Overview of general management techniques 3 Improve traffic control work site safety and agency liability and 4 Overview of bridge management systems Bridge Engineering Handbook Wai-Fah Chen, Lian Duan, 2014-01-24 The second edition of this bestselling handbook covers virtually all the information an engineer would need to know about any type of bridge from planning to construction to maintenance It contains more than 2 500 tables charts and illustrations in a practical ready to use format and an abundance of worked out examples give readers numerous step by step design procedures Extensively updated and featuring several new chapters this volume Construction and Maintenance covers construction inspection bridge management systems health monitoring ratings strengthening and rehabilitation life **AASHTO Maintenance Manual for Roadways and Bridges** Kenneth A. cycle analysis and much more Brewer, American Association of State Highway and Transportation Officials, 2007 Ohio Bridge Maintenance Manual (on-line Training Website) Michael G. Fitch, Osama Ahmed Abdulshafi, James Barnhart, Ohio State University. Department of

Civil and Environmental Engineering and Geodetic Science, Ohio. Department of Transportation, United States. Federal Highway Administration, 2002 Bridge Engineering Handbook, Five Volume Set Wai-Fah Chen, Lian Duan, 2014-01-24 Over 140 experts 14 countries and 89 chapters are represented in the second edition of the Bridge Engineering Handbook This extensive collection provides detailed information on bridge engineering and thoroughly explains the concepts and practical applications surrounding the subject and also highlights bridges from around the world This second edition of the bestselling Bridge Engineering Handbook covers virtually all the information an engineer would need to know about any type of bridge from planning to construction to maintenance It contains more than 2 500 tables charts and illustrations in a practical ready to use format An abundance of worked out examples gives readers numerous practical step by step design procedures Special attention is given to rehabilitation retrofit and maintenance Coverage also includes seismic design and building materials Thoroughly revised and updated this second edition contains 26 new chapters **Bridge Maintenance Inspection and Evaluation, Second Edition** Kenneth White, 2024-11-01 Second Edition examines in detail the process of evaluating bridge conditions and offers a thorough study of bridge types their origins elements and failures Bridge Maintenance Inspection and Evaluation Second Edition presents new and expanded information on condition ratings capacity evaluations load factor analysis and the American Association of State Highway and Transportation Officials AASHTO Highway Accident Report United States. National Transportation Safety Board, 1983 suggested guidelines

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