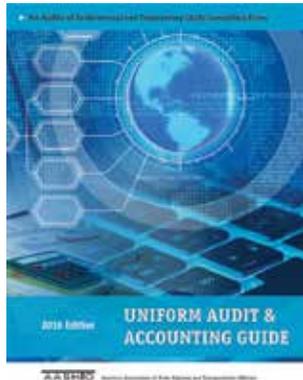
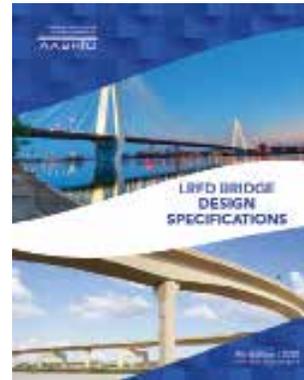


AASHTO Essential Library

ADMINISTRATION
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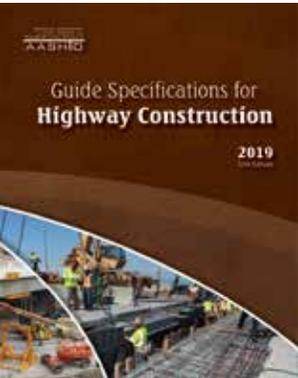
ASSET
MANAGEMENT
& PLANNING



BRIDGES &
STRUCTURES

Guide Specifications for
Highway Construction

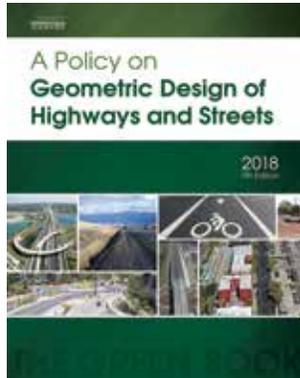
2019
20th Edition



CONSTRUCTION
& RIGHT-OF-WAY

A Policy on
Geometric Design of
Highways and Streets

2018
10th Edition



DESIGN &
TRAFFIC

2019 AASHTO
SALARY SURVEY



APR 2020

AASHTO

MAINTENANCE



STANDARD SPECIFICATIONS
FOR TRANSPORTATION

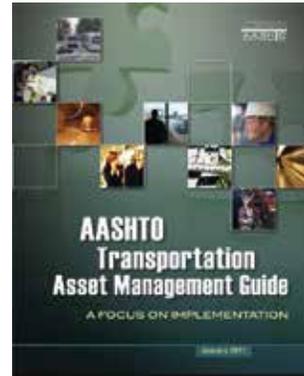
MATERIALS

AND METHODS OF SAMPLING AND TESTING

2020

AASHTO

MATERIALS,
TESTING &
PAVEMENT



AASHTO
Transportation
Asset Management Guide

A FOCUS ON IMPLEMENTATION

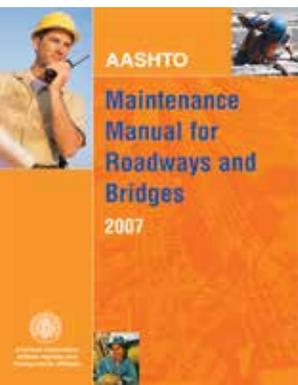
2014

REPORTS

AASHTO

Maintenance
Manual for
Roadways and
Bridges

2007



SAFETY

HIGHWAY
SAFETY
MANUAL

1st Edition
Volume 1 • 2019



HSM

AASHTO

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AASHTO Essential Library

AASHTO publishes numerous technical standards and guidelines through the work of the association's technical committees, whose members are comprised of representatives from the state departments of transportation—the nation's transportation experts. AASHTO standards and guidelines are utilized by transportation agencies across the nation and worldwide.

This AASHTO "Essential Library" includes those AASHTO publications considered to be the preeminent and most foundational technical standards, guidelines, and transportation-related reports related to the design, construction, operation, maintenance, and administration of highways, streets, bridges, and related transportation structures and facilities.

CONTENTS

The AASHTO Essential Library currently consists of sixteen (16) AASHTO publications, divided into the following publication categories:

BRIDGES & STRUCTURES	PAGE 3
DESIGN & TRAFFIC	PAGE 4
MATERIALS, TESTING & PAVEMENT	PAGE 5
MAINTENANCE	PAGE 5
SAFETY	PAGE 6
CONSTRUCTION & RIGHT-OF-WAY	PAGE 6
ASSET MANAGEMENT & PLANNING	PAGE 7
ADMINISTRATION & ECONOMICS	PAGE 7
REPORTS	PAGE 7

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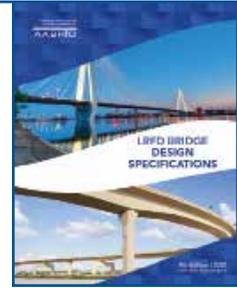
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BRIDGES & STRUCTURES

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

Code: LRFDBDS-9

The AASHTO LRFD Bridge Design Specifications are intended for use in the design, evaluation, and rehabilitation of bridges. The specifications employ the Load and Resistance Factor Design (LRFD) methodology, using factors developed from current statistical knowledge of loads and structural performance. This new 9th edition includes revisions to almost all sections of the specifications. It supersedes the 8th Edition, published in 2017. **2020. 1,920 pp.**



PDF DOWNLOAD Code: LRFDBDS-9-UL | List Price: \$520 | Member Price: \$385

LOOSELEAF Code: LRFDBDS-9 | List Price: \$650 | Member Price: \$481

LOOSELEAF & PDF COMBO Code: LRFDBDS-9-PUL List Price: \$910 | Member Price: \$674

5-USER PDF DOWNLOAD Code: LRFDBDS-9-IP5 | List Price: \$2,207 | Member Price: \$1,635

10-USER PDF DOWNLOAD Code: LRFDBDS-9-IP10 | List Price: \$4,127 | Member Price: \$3,057

25-USER PDF DOWNLOAD Code: LRFDBDS-9-IP25 | List Price: \$9,112 | Member Price: \$6,750

STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION

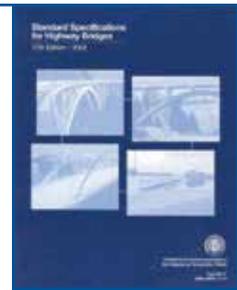
Item Code: HB-17

These standards are designed for the maintenance and rehabilitation of older, existing bridges and related structures, constructed prior to the adoption of the Load and Resistance Factor Design (LRFD) standards. **2002. 1,028 pp.**

PDF DOWNLOAD Code: HB-17-UL | List Price: \$304 | Member Price: \$225

LOOSELEAF Code: HB-17 | List Price: \$380 | Member Price: \$281

LOOSELEAF & PDF COMBO Code: HB-17-PUL List Price: \$532 | Member Price: \$394



AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, 4TH EDITION, WITH 2020 INTERIM REVISIONS

Item Code: LRFDCONS-4

These specifications are intended for use in the construction of bridges. They employ the Load and Resistance Factor Design (LRFD) methodology and are designed to be used in conjunction with the *AASHTO LRFD Bridge Design Specifications*. This 2017 4th edition supersedes the 2010 3rd edition and subsequent interim revisions. **2017. 564 pp.**

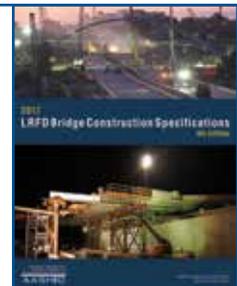
PDF DOWNLOAD Code: LRFDCONS-4-UL | List Price: \$423 | Member Price: \$313

LOOSELEAF Code: LRFDCONS-4 | List Price: \$528 | Member Price: \$391

LOOSELEAF & PDF COMBO Code: LRFDCONS-4-PUL | List Price: \$739 | Member Price: \$548

5-USER PDF DOWNLOAD Code: LRFDCONS-4-IP5 | List Price: \$1,796 | Member Price: \$1,331

10-USER PDF DOWNLOAD Code: LRFDCONS-4-IP10 | List Price: \$3,169 | Member Price: \$2,348



MANUAL FOR BRIDGE EVALUATION, 3RD EDITION, WITH 2020 INTERIM REVISIONS

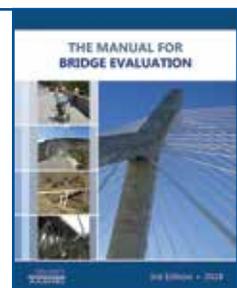
Item Code: MBE-3

This manual has been developed to assist bridge owners by establishing inspection procedures and evaluation practices that meet the National Bridge Inspection Standards (NBIS). The manual is divided into eight sections, each representing a distinct phase of an overall bridge inspection and evaluation program. This 2018 3rd edition supersedes the 2011 2nd edition and subsequent interim revisions. **2018. 688 pp.**

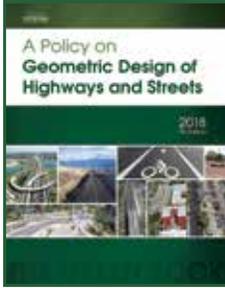
PDF DOWNLOAD Code: MBE-3-UL | List Price: \$421 | Member Price: \$312

LOOSELEAF Code: MBE-3 | List Price: \$527 | Member Price: \$390

LOOSELEAF & PDF COMBO Code: MBE-3-PUL | List Price: \$737 | Member Price: \$526



DESIGN & TRAFFIC



POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 7TH EDITION (THE "GREEN BOOK")

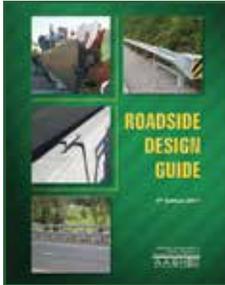
Item Code: GDHS-7

The AASHTO "Green Book" contains the current design research and practices for highway and street geometric design. It provides guidance to engineers and designers who strive to make unique design solutions that meet the needs of highway and street users on a project-by-project basis. It describes how geometric design elements affect multiple transportation modes and recognizes the relationship between geometric design features and traffic operations. This 2018 7th edition, which supersedes the 2011 6th edition, presents an updated framework for geometric design that is more flexible, multimodal, and performance-based than previous editions. **2018. 1,047 pp**

PDF DOWNLOAD Code: GDHS-7-UL | List Price: \$310 | Member Price: \$230

PAPERBACK Code: GDHS-7 | List Price: \$388 | Member Price: \$288

PAPERBACK & PDF COMBO Code: GDHS-7-PUL | List Price: \$543 | Member Price: \$403



ROADSIDE DESIGN GUIDE, 4TH EDITION

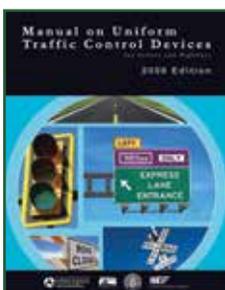
Item Code: RSDG-4

This design guide presents a synthesis of current information and operating practices related to roadside safety and focuses on safety treatments that can minimize the likelihood of serious injuries when a motorist leaves the roadway. Developed for use by design engineers and professionals involved in roadside safety, it is considered a significant tool that combines current research with practical experience. This 2011 4th edition, which supersedes the 2006 3rd edition, has been updated to include hardware that has met the evaluation criteria contained in the National Cooperative Highway Research Program (NCHRP) Report 350: *Recommended Procedures for the Safety Performance Evaluation of Highway Features*. **2011. 356 pp.**

PDF DOWNLOAD Code: RSDG-4-UL | List Price: \$243 | Member Price: \$180

PAPERBACK Code: RSDG-4 | List Price: \$304 | Member Price: \$225

PAPERBACK & PDF COMBO Code: RSDG-4-PUL | List Price: \$425 | Member Price: \$315



MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION

Item Code: MUTCD-10

Developed by the Federal Highway Administration (FHWA), this manual is incorporated into Federal regulations as the national standard for traffic control devices on all public roads and bike paths. This 2009 edition supersedes the 2003 edition and subsequent revisions. **2009. 864 pp.**

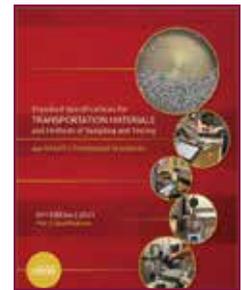
PAPERBACK Code: MUTCD-10 | List Price: \$75 | Member Price: \$75

MATERIALS, TESTING & PAVEMENT

STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING, AND AASHTO PROVISIONAL STANDARDS, 41ST EDITION, 2021 (THE "MATERIALS STANDARDS")

Item Code: HM-41

The AASHTO Materials Standards contain specifications, test methods, and provisional standards, commonly used in the construction of highway facilities. The standards are available to purchase in paperback, as a PDF Download, or in a set that includes both the paperback and single-user PDF Download at a discounted price. **2021. 5,697 pp.**



PDF DOWNLOAD Code: HM-41-UL | List: \$945 | AASHTO Member: \$700

PAPERBACK Code: HM-41 | List Price: \$1,181 | Member Price: \$875

PAPERBACK & SINGLE-USER PDF COMBO Code: HM-41-PUL | List: \$1,654 | AASHTO Member: \$1,225

2-USER PDF DOWNLOAD Code: HM-41-IP2 | List: \$1,700 | AASHTO Member: \$1,260

3-USER PDF DOWNLOAD Code: HM-41-IP3 | List: \$2,410 | AASHTO Member: \$1,785

5-USER PDF DOWNLOAD Code: HM-41-IP5 | List: \$3,780 | AASHTO Member: \$2,800

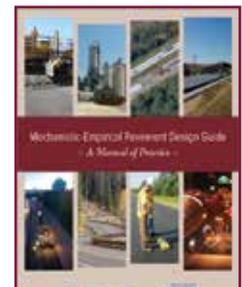
10-USER PDF DOWNLOAD Code: HM-41-IP10 | List: \$7,087 | AASHTO Member: \$5,250

25-USER PDF DOWNLOAD Code: HM-41-IP25 | List: \$16,537 | AASHTO Member: \$12,250

MECHANISTIC-EMPIRICAL PAVEMENT DESIGN GUIDE: A MANUAL OF PRACTICE, 3RD EDITION, WITH 2021 SUPPLEMENT

Item Code: MEPDG-3

This revised edition includes the following revisions and updates from the previous 2015 2nd edition: new fracture mechanics-based model for reflective cracking in AC overlays over flexible, semi-rigid, and rigid pavements; new mechanistic-empirical model for short jointed plain concrete pavement (SJPCP) overlays of flexible pavements; new flexible and semi-rigid pavement global calibration coefficients; addition of non-structural preventative maintenance treatment consideration for flexible and rigid pavements; addition of five level 3 default distributions for normalized axle load spectra (NALS); updated climate discussion for Modern Era Retrospective Reanalysis (MERRA) and North American Regional Reanalysis (NARR) data; incorporation of crack load transfer efficiency (LTE) for flexible pavements; expanded guidance for creep compliance and indirect tensile strength inputs for asphalt wearing surface layers; and updated standards references. **2020. 264 pp.**



PDF DOWNLOAD Code: MEPDG-3 -UL | List: \$135 | AASHTO Member: \$100

PAPERBACK Code: MEPDG-3 | List Price: \$169 | Member Price: \$125

PAPERBACK & SINGLE-USER PDF COMBO Code: MEPDG-3 -PUL | List: \$236 | AASHTO Member: \$175

5-USER PDF DOWNLOAD Code: MEPDG-3-IP5 | List: \$574 | AASHTO Member: \$425

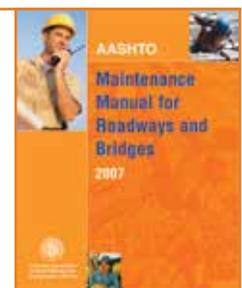
10-USER PDF DOWNLOAD Code: MEPDG-3-IP10 | List: \$1,013 | AASHTO Member: \$750

MAINTENANCE

AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES, 4TH EDITION

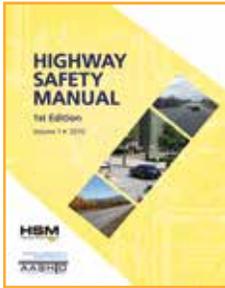
Item Code: MM-4-UL

This manual describes the various processes, methods, and materials that are applied to maintain bridge and highway systems effectively. The manual is based on information gleaned from highway transportation literature on maintenance and from NCHRP SP20-07, Task 17 report. This 2007 4th edition supersedes the 1999 3rd edition. **2007. 372 pp.**



PDF DOWNLOAD Code: MM-4-UL | List Price: \$35 | Member Price: \$26

SAFETY



HIGHWAY SAFETY MANUAL, 1ST EDITION, WITH 2014 SUPPLEMENT

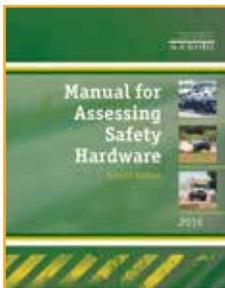
Item Code: HSM-1

This manual was developed to help measurably reduce the frequency and severity of crashes on American roadways, by providing tools for considering safety in the project development process. Its purpose is to assist practitioners in selecting countermeasures and prioritizing projects, comparing alternatives, and quantifying and predicting the safety performance of roadway elements considered in planning, design, construction, maintenance, and operation. It features a synthesis of validated highway research, procedures for including safety in project decisions, and analytical tools for predicting impact on road safety. **2010. 1,296 pp.**

PDF DOWNLOAD Code: HSM-1-UL | List Price: \$540 | Member Price: \$400

PAPERBACK Code: HSM-1-M | List Price: \$675 | Member Price: \$500

PAPERBACK & PDF COMBO Code: HSM-1-PUL | List Price: \$945 Member Price: \$700



MANUAL FOR ASSESSING SAFETY HARDWARE, 2ND EDITION

Item Code: MASH-2

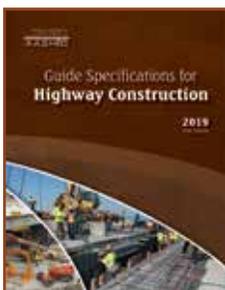
This manual, commonly referred to as "MASH," is a set of performance criteria developed to encourage consistency in the crash testing and evaluation of roadside safety features. It is designed for use by state departments of transportation and other agencies concerned with roadside safety design. It is designed to be consistent with, but not supersede, the AASHTO *Roadside Design Guide*, 4th Edition. This 2016 2nd edition supersedes the 2009 1st edition. **2016. 277 pp.**

PDF DOWNLOAD Code: MASH-2-UL | List Price: \$101 | Member Price: \$75

PAPERBACK Code: MASH-2 | List Price: \$127 | Member Price: \$94

PAPERBACK & PDF COMBO Code: MASH-2-PUL | List Price: \$177 | Member Price: \$131

CONSTRUCTION & RIGHT-OF-WAY



GUIDE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 10TH EDITION

Item Code: GSH-10

These guide specifications provide guidance for developing transportation contract specifications and are the national standard for best practices in highway and road construction. This consensus-based guide is used by states and local agencies as a standard requirement for roadway construction contracts and is a basis for those in developing their own construction specifications. This 2020 10th edition supersedes the 2008 9th edition. **2020. 546 pp.**

PDF DOWNLOAD Code: GSH-10-UL | List: \$257 | AASHTO Member: \$190

PAPERBACK Code: GSH-10 | List Price: \$321 | Member Price: \$238

PAPERBACK & PDF COMBO Code: GSH-10-PUL | List: \$449 | AASHTO Member: \$333

5-USER PDF DOWNLOAD Code: GSH-10-IP5 | List: \$1,474 | AASHTO Member: \$1,092

10-USER PDF DOWNLOAD Code: GSH-10-IP10 | List: \$2,845 | AASHTO Member: \$2,107

ASSET MANAGEMENT & PLANNING

AASHTO TRANSPORTATION ASSET MANAGEMENT GUIDE: A FOCUS ON IMPLEMENTATION, 2ND EDITION

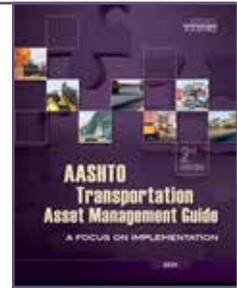
Item Code: TAMGFI-2

This guide aims to encourage transportation agencies to address strategic questions as they confront the task of managing the surface transportation system. Drawn from both national and international knowledge and experience, it provides guidance to state DOT decision makers, as well as county and municipal transportation agencies, to assist them in realizing the most from financial resources now and in the future, preserving highway assets, and providing the service expected by customers. **2020. 324 pp.**

PDF DOWNLOAD Code: TAMGFI-2-UL | List Price: \$162 | Member Price: \$120

5-USER PDF DOWNLOAD Code: TAMGFI-2-IP5 | List Price: \$688 | Member Price: \$510

10-USER PDF DOWNLOAD Code: TAMGFI-2-IP10 | List Price: \$1,215 | Member Price: \$900



ADMINISTRATION & ECONOMICS

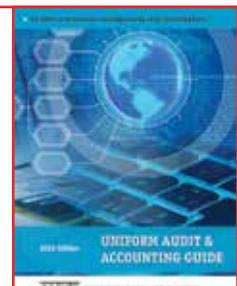
UNIFORM AUDIT AND ACCOUNTING GUIDE FOR AUDITS OF ARCHITECTURAL AND ENGINEERING (A/E) CONSULTING FIRMS, 2016 EDITION

Item Code: UAAG-4-UL

This guide is designed as a tool for state DOT auditors, Architectural/Engineering (A/E) firms, and public accounting firms that perform audits and attestations of A/E firms. The techniques presented focus on examination, auditing, and reporting procedures to be applied to costs that are incurred by A/E firms for engineering and design-related services performed on various Federal, state, and local transportation projects. It provides general guidance only and is not meant to supersede the Federal Acquisition Regulation (FAR), which should be referenced when using this guide. **2016. 169 pp.**

PDF DOWNLOAD Code: UAAG-4-UL | List Price: \$13 | Member Price: \$0

(This publication is free of charge for AASHTO member organizations.)



REPORTS

2020 AASHTO SALARY SURVEY

Item Code: SS-20-OL

This annual survey provides job classifications and salary information on positions currently used by the transportation industry. This document contains 82 matched titles divided into 5 broad job categories. For each title, a brief description, number of incumbents, salary range, benefits, and actual salary is included. The survey is provided in two formats: as a PDF download, which includes the full data of the report, and as an MS Excel spreadsheet, which allows users to sort the data and perform specialized data analysis. **2021. 102 pp.**

PDF DOWNLOAD Code: SS-20-OL | This is a FREE publication.



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