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PUBLICATIONS CATALOG

2026 | Volume 4



2026 AASHTO Materials Standards

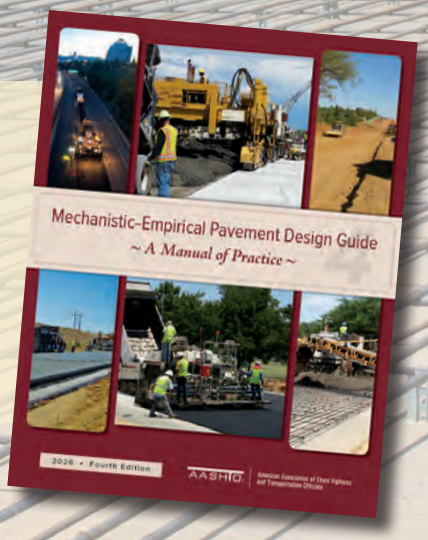
15 New & 114 Revised Standards!

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and AASHTO Provisional Standards,

46th Edition, 2026...*See page 4 for details!*

Mechanistic–Empirical Pavement Design Guide: A Manual of Practice

4th Edition.....*See page 5 for details!*



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2026 | Volume 4

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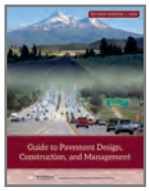
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2026 PUBLICATION RELEASES

Below are the publications we've released, to date, in 2026. More information about each publication can be found on the page number provided or by clicking the title to link to the publication's page on the AASHTO Store, store.transportation.org.



GUIDE TO PAVEMENT DESIGN, CONSTRUCTION, AND MANAGEMENT, 2ND EDITION

Page 4



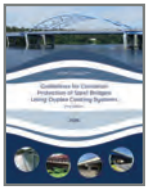
SURVEY OF STATE FUNDING FOR PUBLIC TRANSPORTATION—FINAL REPORT 2026, BASED ON FY 2024 DATA

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SPECIFICATION FOR STRUCTURAL DUPLEX STAINLESS STEEL BRIDGE PLATE MATERIALS, 1ST EDITION, S18.1–2025

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GUIDELINES FOR CORROSION PROTECTION OF STEEL BRIDGES USING DUPLEX COATING SYSTEMS, 1ST EDITION

Page 27



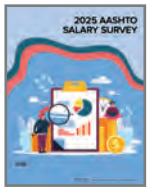
SPECIFICATION FOR DESIGN OF STRUCTURAL DUPLEX STAINLESS STEEL BRIDGES, 1ST EDITION, S18.2–2025

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FREIGHT TRANSPORTATION IN THE MARITIME SECTOR: BOTTOM LINE REPORT, 2026 UPDATE

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2025 AASHTO SALARY SURVEY

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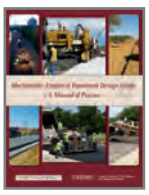
STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING, AND AASHTO PROVISIONAL STANDARDS, 46TH EDITION, 2026

Page 4



2025 AASHTO STATE DOT HR METRICS REPORT

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MECHANISTIC–EMPIRICAL PAVEMENT DESIGN GUIDE: A MANUAL OF PRACTICE, 4TH EDITION

Page 5

MATERIALS & PAVEMENT

MATERIALS



STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING, AND AASHTO PROVISIONAL STANDARDS, 46TH EDITION—2026 (AASHTO "MATERIALS STANDARDS")

NEW

Item Code: HM-46

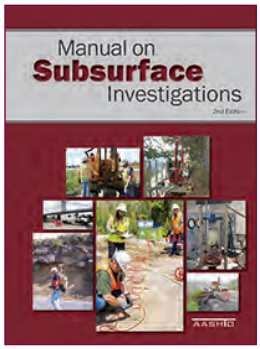
The AASHTO "Materials Standards" contains specifications, recommended practices, and test methods commonly used in the construction of highway facilities. Provisional standards are published to allow practitioners to use the standards early in the research or development phase.

The 2026 edition, which includes **15 new and 114 revised standards**, contains the following major updates:

- For the quality management system for construction materials testing laboratories, many updates are included to improve work performance;
- Asphalt Concrete for Balanced Mix Design: A new tiered framework for specifying asphalt mixtures has been established.
- Hydraulic Cement: The allowable use of pozzolans and other supplementary cementitious materials has been increased.
- Liquid Asphalt: There is a new test method for analyzing Recycled Engine Oil Bottoms.
- Concrete: The results of research by the National Cooperative Highway Research Program (NCHRP) and FHWA's Turner-Fairbanks Highway Research Center (TFHRC) are incorporated into the alkali–silica reactivity (ASR) standards, and there are also updates to the resistivity standards. **2026. 6,453 pp.**

PDF DOWNLOAD (Single-user) Code: HM-46-UL | List Price: $1,114 | Member Price: $850
2-USER PDF DOWNLOAD Code: HM-46-IP2 | List Price: $2,180 | Member Price: $1,615
3-USER PDF DOWNLOAD Code: HM-46-IP3 | List Price: $3,098 | Member Price: $2,295
5-USER PDF DOWNLOAD Code: HM-46-IP5 | List Price: $4,877 | Member Price: $3,613
10-USER PDF DOWNLOAD Code: HM-46-IP10 | List Price: $8,606 | Member Price: $6,375
25-USER PDF DOWNLOAD Code: HM-46-IP25 | List Price: $20,0811 | Member Price: $14,875

PAVEMENT

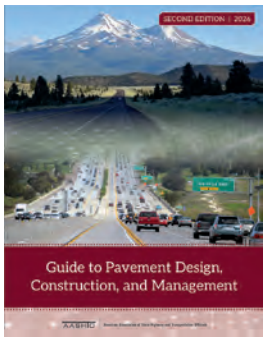


MANUAL ON SUBSURFACE INVESTIGATIONS, 2ND EDITION

Item Code: MSI-2

This manual describes the elements, considerations, investigation tools and techniques, and reporting requirements for geotechnical subsurface investigations for transportation facilities. This edition has been updated to address advancements in geophysical, in situ, and laboratory testing; reliability-based design as codified by the AASHTO LRFD Bridge Design Specifications, 9th Edition; and project delivery methods. **2022. 410 pp.**

PDF DOWNLOAD Code: MSI-2-UL | List Price: $297 | Member Price: $200
5-USER PDF DOWNLOAD Code: MSI-2-IP5 | List Price: $1,262 | Member Price: $935
10-USER PDF DOWNLOAD Code: MSI-2-IP10 | List Price: $2,228 | Member Price: $1,650



GUIDE TO PAVEMENT DESIGN, CONSTRUCTION, AND MANAGEMENT, 2ND EDITION

2026 Release

Item Code: PDCM-2

This second edition of the Guide to Pavement Design, Construction, and Management has been developed to serve as a 'one-stop shop' for pavement engineering, encompassing the fundamental principles of pavement types and materials, while addressing the complexities of pavement management. This edition incorporates advancements in pavement engineering since the release of the first edition in 2015, including the use of novel materials, such as Type IL cements; innovative material design methodologies like balanced mix design and performance-engineered mixes; and groundbreaking advancements in pavement analysis and structural testing, exemplified by the utilization of 3D laser equipment and traffic speed deflectometers. **2026. 597 pp.**

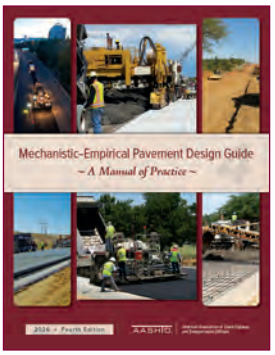
PDF DOWNLOAD Code: PDCM-2-UL | List Price: $439 | Member Price: $325
5-USER PDF DOWNLOAD Code: PDCM-2-IP5 | List Price: $1,865 | Member Price: $1,381
10-USER PDF DOWNLOAD Code: PDCM-2-IP10 | List Price: $3,291 | Member Price: $2,438

MATERIALS & PAVEMENT

PAVEMENT

MECHANISTIC-EMPIRICAL PAVEMENT DESIGN GUIDE: A MANUAL OF PRACTICE, 4TH EDITION

NEW



Item Code: MEPDG-4

This manual describes a pavement design methodology, termed mechanistic-empirical (ME) pavement design. Based on engineering mechanics that have been validated with extensive road test performance data, this methodology provides the highway community with a state-of-the-practice method for the design and analysis of new and rehabilitated pavement structures.

The manual guides pavement design engineers in making decisions using the AASHTOWare Pavement ME Design software, which includes an updated local calibration guide that replaces the publication, *Guide for the Local Calibration of the Mechanistic-Empirical Pavement Design Guide, First Edition*, published in 2010.

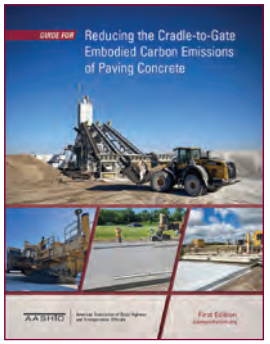
This 2026 4th edition of the manual includes the following updates from the 3rd edition, published in 2020:

- Creep compliance calculated from dynamic modulus data for Input Level 2;
- Integration of the NCHRP 1-51 model for slab–underlying layer interaction into the concrete pavement analysis;
- Design models for an asphalt overlay for rigid, semi-rigid, and flexible pavements, where one or more AC overlays already exists or has been placed;
- Addition of full depth reclamation (FDR), cold in-place recycling (CIR), and hot in-place recycling (HIR) of existing asphalt layers as a rehabilitation design strategy;
- Recalibration of the rigid pavement transfer functions using MERRA2 climatic data;
- Inclusion of Level 3 binder grade selection corresponding to the MSCR characterization; and
- Update of AASHTO Material Standards designation numbers.

Also, information from the third edition supplement concerning the new top-down cracking fatigue model employing Paris' Law of crack propagation for generating mechanistic responses has been integrated into this 4th edition. **2026. 315 pp.**

PDF DOWNLOAD Code: MEPDG-4-UL | List Price: $149 | AASHTO Member Price: $110
5-USER PDF DOWNLOAD Code: MEPDG-4-IP5 | List Price: $631 | AASHTO Member Price: $468
10-USER PDF DOWNLOAD Code: MEPDG-4-P10 | List Price: $1,114 | AASHTO Member Price: $825

GUIDE FOR REDUCING THE CRADLE-TO-GATE EMBODIED CARBON EMISSIONS OF PAVING CONCRETE, 1ST EDITION

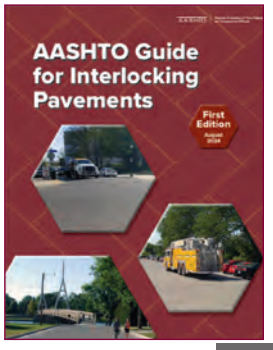


Item Code: RCCC-1

This guide offers several strategies for material selection and proportioning that transportation agencies and contractors can use to reduce the cradle-to-gate embodied carbon emissions of paving concrete. Although focused primarily on mixtures for paving, many of the strategies presented can be extended to concrete mixtures for other applications, including structural and ancillary uses. **2025. 72 pp.**

PDF DOWNLOAD Code: RCCC-1-UL | List Price: $68 | Member Price: $55
5-USER PDF DOWNLOAD Code: RCCC-1-IP5 | List Price: $316 | Member Price: $234
10-USER PDF DOWNLOAD Code: RCCC-1-IP10 | List Price: $557 | Member Price: $413

AASHTO GUIDE FOR INTERLOCKING PAVEMENTS, 1ST EDITION



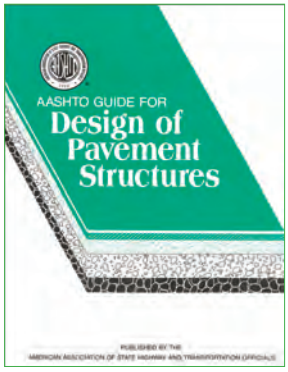
Item Code: AGIP-1

This guide represents a synthesis of the research and decades of experience on interlocking and permeable concrete pavements. It includes information on its materials; design; construction; maintenance and preservation; and sustainability and resilience. It is a resource to both state departments of transportation and municipal public works departments. **2024. 128 pp.**

PDF DOWNLOAD Code: AGIP-1-UL | List Price: $189 | Member Price: $140
5-USER PDF DOWNLOAD Code: AGIP-1-IP5 | List Price: $803 | Member Price: $595
10-USER PDF DOWNLOAD Code: AGIP-1-IP10 | List Price: $1,418 | Member Price: $1,050

MATERIALS & PAVEMENT

PAVEMENT

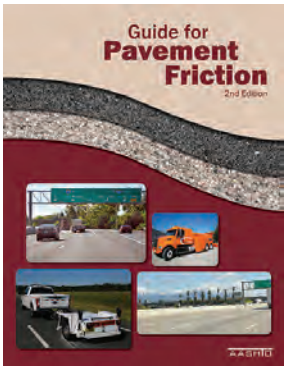


GUIDE FOR DESIGN OF PAVEMENT STRUCTURES, 4TH EDITION, WITH 1998 SUPPLEMENT

Item Code: GDPS-4-M

This guide includes various approaches to pavement design, including design and management principals, procedures for new construction or reconstruction, and procedures for the rehabilitation of existing pavements. It also contains information on overlay design methodology and rehabilitation, including several overlay procedures and associated options. **1993. 700 pp.**

PDF DOWNLOAD Code: GDPS-4-M-UL | List Price: $135 | Member Price: $100
PAPERBACK Code: GDPS-4-M | List Price: $169 | Member Price: $125
PAPERBACK & PDF COMBO Code: GDPS-4-M-PUL | List Price: $236 | Member Price: $175

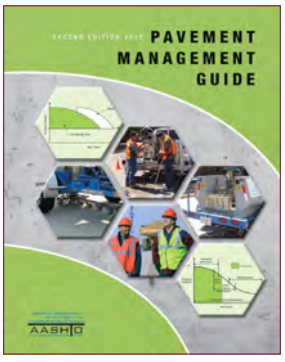


GUIDE FOR PAVEMENT FRICTION, 2ND EDITION

Item Code: GPVF-2

This guide contains recommendations and guidelines for managing and designing highway pavements for friction. It has been updated to include information on friction testing and safety, including how the risk for both wet and dry crashes increases as pavement friction decreases. This consideration between friction and all crashes is consistent with proactive and systemic approaches to improving safety performance across the roadway network, based on measurable risk and performance characteristics that are part of the Safe Systems approach. **2022. 92 pp.**

PDF DOWNLOAD Code: GPVF-2-UL | List Price: $128 | Member Price: $95
5-USER PDF DOWNLOAD Code: GPVF-2-IP5 | List Price: $545 | Member Price: $404
10-USER PDF DOWNLOAD Code: GPVF-2-IP10 | List Price: $962 | Member Price: $713

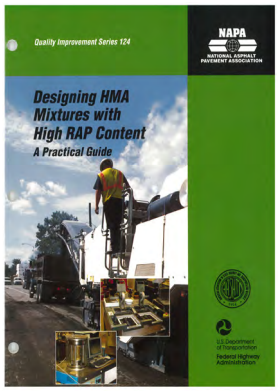


PAVEMENT MANAGEMENT GUIDE, 2ND EDITION

Item Code: PMG-2

This guide was developed to address the issues and challenges associated with managing pavements effectively, including assessing funding needs for pavement preservation and rehabilitation, and setting attainable pavement-related performance goals. It contains information on the increased emphasis on pavement preservation programs; the use of preventive maintenance treatments as part of pavement preservation programs; advancements in data quality and integration issues; recent initiatives impacting the types of data required by pavement management; and the increased importance of performance measurement and asset management principles. **2012. 200 pp.**

PDF DOWNLOAD Code: PMG-2-UL | List Price: $112 | Member Price: $83
PAPERBACK Code: PMG-2 | List Price: $140 | Member Price: $104
PAPERBACK & PDF COMBO Code: PMG-2-PUL | List Price: $196 | Member Price: $145



DESIGNING HMA MIXTURES WITH HIGH RAP CONTENT: A PRACTICAL GUIDE

Item Code: HMAPG-1

A joint publication of the National Asphalt Pavement Association, the Federal Highway Administration, and AASHTO, this publication provides practical guidelines for hot-mix asphalt (HMA) mixtures with at least 25 percent reclaimed asphalt pavement (RAP). Topics covered include materials evaluation, mix design, plant verification, and quality control. **2007. 35 pp.**

PAPERBACK Code: HMAPG-1 | List Price: $27 | Member Price: $20

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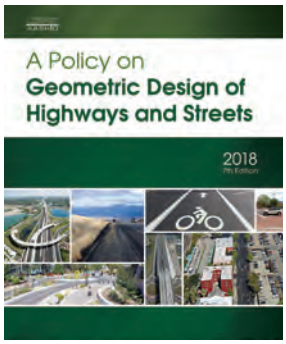
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DESIGN & TRAFFIC

HIGHWAY AND STREET DESIGN

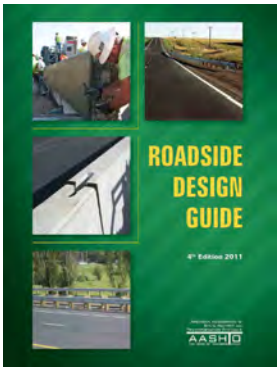


A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 7TH EDITION (THE "GREEN BOOK")

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: $342 | Member Price: $253
PAPERBACK Code: GDHS-7 | List Price: $427 | Member Price: $316
PAPERBACK & PDF COMBO Code: GDHS-7-PUL | List Price: $598 | Member Price: $443

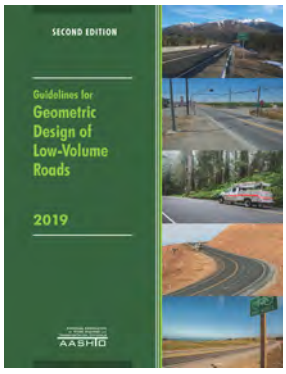


ROADSIDE DESIGN GUIDE, 4TH EDITION

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 *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: $267 | Member Price: $198
PAPERBACK Code: RSDG-4 | List Price: $334 | Member Price: $248
PAPERBACK & PDF COMBO Code: RSDG-4-PUL | List Price: $468 | Member Price: $347



GUIDELINES FOR GEOMETRIC DESIGN OF LOW-VOLUME ROADS, 2ND EDITION

Item Code: VLVLR-2

This publication presents geometric design guidelines for low-volume roads that help highway designers select appropriate geometric designs for roads with low traffic volumes. The guidelines may be used on low-volume local and minor collector roads in lieu of the applicable policies in *A Policy on Geometric Design of Highways and Streets* (the "Green Book"). **2019. 100 pp.**

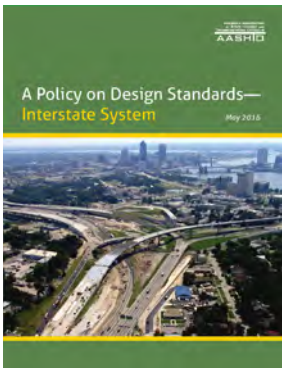
PDF DOWNLOAD Code: VLVLR-2-UL | List Price: $135 | Member Price: $100
PAPERBACK Code: VLVLR-2 | List Price: $169 | Member Price: $125
PAPERBACK & PDF COMBO Code: VLVLR-2-PUL | List Price: $236 | Member Price: $175

DESIGN & TRAFFIC

HIGHWAY AND STREET DESIGN

A POLICY ON DESIGN STANDARDS—INTERSTATE SYSTEM, 6TH EDITION

Item Code: DS-6

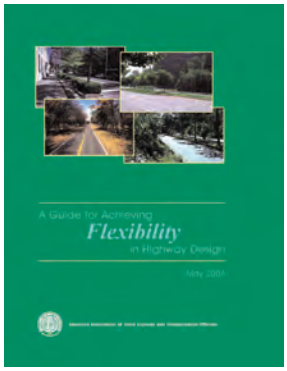


These standards reflect the minimum standards that apply to Interstate highway segments constructed on new right-of-way and segments undergoing reconstruction along existing right-of-way. These standards, which include changes based on research and practice since the previous 2005 edition, are designed for use with *A Policy on Geometric Design of Highways and Streets* (the "Green Book").
2016. 12 pp.

PDF DOWNLOAD Code: DS-6-UL | List Price: $15 | Member Price: $11

A GUIDE FOR ACHIEVING FLEXIBILITY IN HIGHWAY DESIGN, 1ST EDITION

Item Code: FHD-1



This guide shows highway designers how to think flexibly, recognize the many choices and options they have, and arrive at the best solution for the particular situation or context. It represents a major step toward institutionalizing Context Sensitive Solutions into state transportation departments and other agencies charged with transportation project development. **2004. 138 pp.**

PDF DOWNLOAD Code: FHD-1-UL | List Price: $30 | Member Price: $22
PAPERBACK Code: FHD-1 | List Price: $37 | Member Price: $28
PAPERBACK & PDF COMBO Code: FHD-1-PUL | List Price: $52 | Member Price: $39

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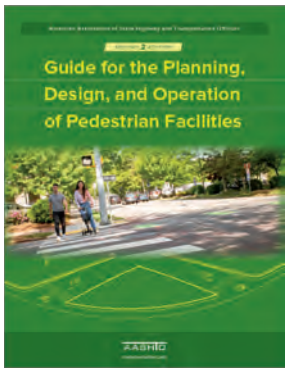


GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, 5TH EDITION

Item Code: GBF-5

This guide provides information on the planning, design, and operation of bikeways along streets, roads, and highways, and on paths along independent alignments, in urban, suburban, and rural settings. It encourages a flexible approach to design bikeways, emphasizing the role of the engineer, planner, and designer in determining appropriate bikeway types and design dimensions, based on project-specific conditions and existing and future performance. It provides information to assist in choosing the appropriate combination of features, design values, and materials to create the design, while considering the context of the project area and surrounding environment. **2024. 626 pp.**

PDF DOWNLOAD Code: GBF-5-UL | List Price: $392 | Member Price: $290
PAPERBACK Code: GBF-5 | List Price: $548 | Member Price: $406
PAPERBACK & PDF COMBO Code: GBF-5-PUL | List Price: $744 | Member Price: $551
5-USER PDF DOWNLOAD Code: GBF-5-IP5 | List Price: $1,664 | Member Price: $1,233
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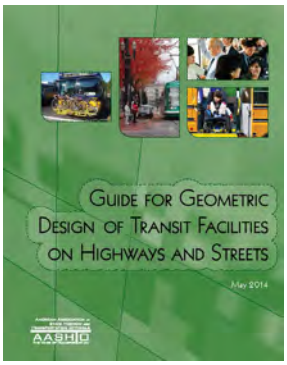


GUIDE FOR THE PLANNING, DESIGN, AND OPERATION OF PEDESTRIAN FACILITIES, 2ND EDITION

Item Code: GPF-2

This guide provides guidance on the planning, design, and operation of pedestrian facilities along streets and highways. Specifically, the guide focuses on identifying effective measures for accommodating pedestrians on public rights-of-way. Appropriate methods for accommodating pedestrians, which vary among roadway and facility types, are described in this guide. This guide also recognizes the profound effect that land use planning and site design have on pedestrian mobility and addresses these topics, as well. **2021. 232 pp.**

PDF DOWNLOAD Code: GPF-2-UL | List Price: $186 | Member Price: $138
PAPERBACK Code: GPF-2 | List Price: $233 | Member Price: $173
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5-USER PDF DOWNLOAD Code: GPF-2-IP5 | List Price: $792 | Member Price: $587
10-USER PDF DOWNLOAD Code: GPF-2-IP10 | List Price: $1,397 | Member Price: $1,035



GUIDE FOR GEOMETRIC DESIGN OF TRANSIT FACILITIES ON HIGHWAYS AND STREETS, 1ST EDITION

Item Code: TVF-1

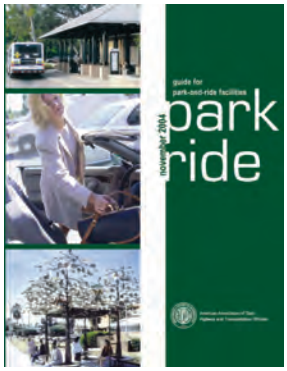
This guide provides a comprehensive reference of current practice in the geometric design of transit facilities on streets and highways, including local buses, express buses, and bus rapid transit operating in mixed traffic, bus lanes, and high-occupancy vehicle lanes, as well as bus-only roads within street and freeway environments. It also covers streetcars and LRT running in mixed traffic and transit lanes, and within medians along arterial roadways. **2014. 436 pp.**

PDF DOWNLOAD Code: TVF-1-UL | List Price: $208 | Member Price: $154
PAPERBACK Code: TVF-1 | List Price: $260 | Member Price: $193
PAPERBACK & PDF COMBO Code: TVF-1-PUL | List Price: $364 | Member Price: $270

TRANSIT FACILITIES

GUIDE FOR PARK-AND-RIDE FACILITIES, 2ND EDITION

Item Code: GPRF-2

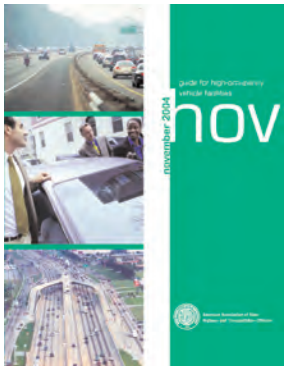


This guide provides a general knowledge of the park-and-ride planning and design process. Applicable local ordinances, design requirements, and building codes must be consulted for their effect on the planning and design process. Local data resources, development patterns, and transit networks may present unique opportunities for park-and-ride implementation and should be explored. **2004. 152 pp.**

PDF DOWNLOAD Code: GPRF-2-UL | List Price: $30 | Member Price: $22

GUIDE FOR HIGH-OCCUPANCY VEHICLE (HOV) FACILITIES, 3RD EDITION

Item Code: GHOV-3



This guide suggests methods and designs for dedicated facilities to encourage greater use of existing transportation systems, such as increased use of public transit (primarily buses), carpools, vanpools, or other ridesharing modes. Guidance is given for planning and design of preferential treatment for high-occupancy vehicles. **2004. 218 pp.**

PDF DOWNLOAD Code: GHOV-3-UL | List Price: $30 | Member Price: $22

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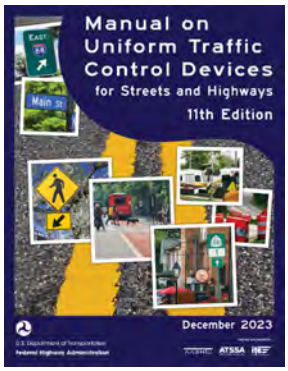
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DESIGN & TRAFFIC

TRAFFIC CONTROL DEVICES



MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR HIGHWAYS AND STREETS, 11TH EDITION

Item Code: MUTCD-11

This manual defines the standards used by road managers nationwide to install and maintain traffic control devices on all streets, highways, pedestrian and bicycle facilities, and site roadways open to public travel. The manual was developed and published by the Federal Highway Administration (FHWA) in December 2023 as a PDF download publication only. This paperback version includes all of the information contained in FHWA's PDF download version, in its entirety, as well as includes a comprehensive index of key reference topics, exact color-matched graphics, and high-quality paper and a layflat binding to withstand frequent and continued use. **2023. 1216 PP.**

PAPERBACK Code: MUTCD-11 | List Price: $120 | Member Price: $100

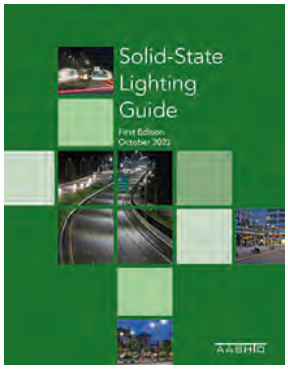


AASHTO GUIDELINES FOR SUPPLEMENTAL GUIDE SIGNING, 5TH EDITION

Item Code: GSGLC-5

These guidelines were developed to assist state DOTs and transportation agencies in selecting the most appropriate traffic generators for display on freeway and expressway supplemental guide signs. They provide a basis for these agencies to develop individual state policies, which consider local needs, customs, and legal requirements. The guidelines are incorporated by reference in the MUTCD, which recommends guidelines for developing appropriate policies on supplemental guide signs for traffic generators. **2016. 11 pp.**

PDF DOWNLOAD Code: GSGLC-5-UL | List Price: $19 | Member Price: $14

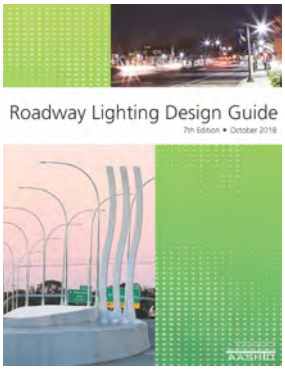


SOLID-STATE LIGHTING GUIDE, 1ST EDITION

Item Code: SSLG-1

This guide offers guidance on design standards and methods of implementing Solid-State Lighting (SSL) technology, specifically as it relates to the AASHTO *Roadway Lighting Design Guide,* 7th Edition. It explains the differences between SSL systems and traditional lighting systems, and provides guidance on design, electrical systems, maintenance, operations, and environmental impacts. The guide also identifies areas where additional research is needed to investigate its continued application. **2022. 99 pp.**

PDF DOWNLOAD Code: SSLG-1-UL | List Price: $128 | Member Price: $95
5-USER PDF DOWNLOAD Code: SSLG-1-IP5 | List Price: $545 | Member Price: $404
10-USER PDF DOWNLOAD Code: SSLG-1-IP10 | List Price: $962 | Member Price: $713



ROADWAY LIGHTING DESIGN GUIDE, 7TH EDITION

Item Code: GL-7

This guide reflects current practices in roadway lighting. It provides a general overview of lighting systems from the point of view of state transportation departments and recommends minimum design parameters. It may be used by agencies to warrant and design roadway lighting systems and can be incorporated into their own roadway lighting policies. Agency-specific policy may also include types of lighting equipment and technologies, lighting calculation preferences, or maintenance issues.
2018. 89 pp.

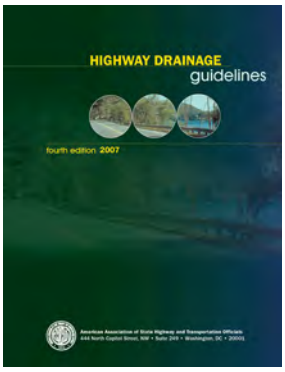
PDF DOWNLOAD Code: GL-7-UL | List Price: $68 | Member Price: $50

DESIGN & TRAFFIC

DRAINAGE

HIGHWAY DRAINAGE GUIDELINES, 4TH EDITION

Item Code: HDG-4

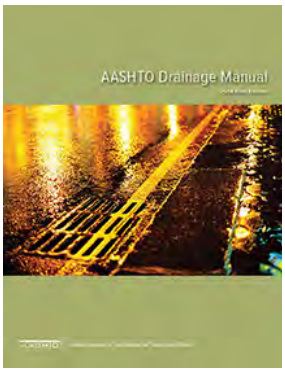


These guidelines provide a consolidated overview of highway hydraulic design and discuss possible hydrology problems. **2007. 1,155 pp.**

PDF DOWNLOAD Code: HDG-4-UL | List Price: $30 | Member Price: $22

AASHTO DRAINAGE MANUAL, 1ST EDITION

Item Code: ADM-1



This manual provides transportation agencies with guidelines for establishing state-specific policies and procedures for the design of highway drainage facilities. It has been developed to provide hydraulics engineers with a basic working knowledge of hydrology and hydraulics. All basic design elements are included, such that the hydraulics engineer can design highway drainage with minimal assistance, the manual does not provide guidance on complex hydrologic or hydraulic problems. Volume One provides states with guidelines or examples for drainage design policies, criteria, and standards. Volume Two provides hydrologic and hydraulic design procedures that are frequently used by highway hydraulics engineers.al. **2014. 1,342 pp.**

PDF DOWNLOAD Code: ADM-1-UL | List Price: $178 | Member Price: $132

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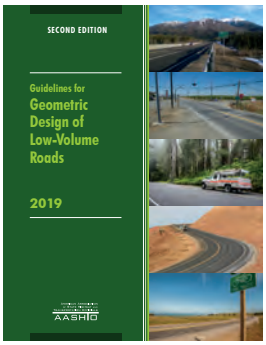
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DESIGN & TRAFFIC

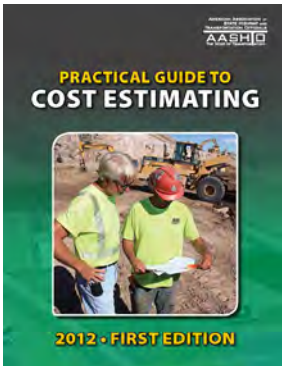
PROJECT MANAGEMENT



GUIDELINES FOR VALUE ENGINEERING, 4TH EDITION
Item Code: VE-4

Value Engineering (VE) is a function-oriented technique that has proven to be an effective management tool for achieving improved design, construction, and cost-effectiveness in various transportation program elements. Data collected by the Federal Highway Administration (FHWA) indicates that the return on investment can approach or exceed 100:1. These guidelines recognize the need for the prudent use of resources and revenues, while providing a quality transportation program. States that have active VE programs have realized additional benefits beyond design improvements and cost savings.
2017. 38 pp.

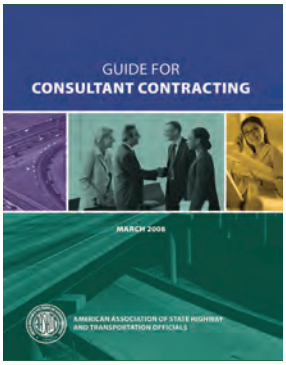
PDF DOWNLOAD Code: VE-4-UL | List Price: $30 | Member Price: $22



PRACTICAL GUIDE TO COST ESTIMATING, 1ST EDITION
Item Code: EST-1

This guide provides information to those charged with developing cost estimates and managing the estimating process. **2013. 214 pp.**

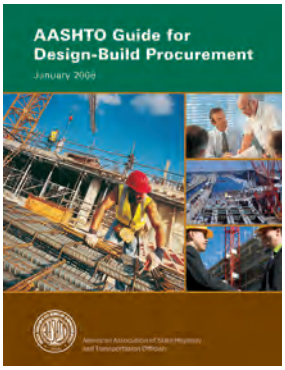
PDF DOWNLOAD Code: EST-1-UL | List Price: $112 | Member Price: $83
PAPERBACK Code: EST-1 | List Price: $140 | Member Price: $104
PAPERBACK & PDF COMBO Code: EST-1-PUL | List Price: $196 | Member Price: $145



AASHTO GUIDE FOR CONSULTANT CONTRACTING, 1ST EDITION
Item Code: GCC-1

This guide summarizes the results of a questionnaire that was developed for state and consultant practitioners in order to assess current practices. **2008. 128 pp.**

PDF DOWNLOAD Code: GCC-1-UL List Price: $59 | Member Price: $44



AASHTO GUIDE FOR DESIGN-BUILD PROCUREMENT, 1ST EDITION
Item Code: DBP-1

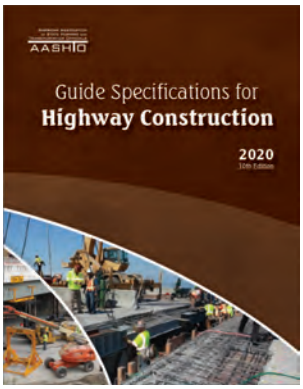
This guide provides state transportation departments with strategies and methods for successful design-build implementation, including the preparation of requests for qualifications (RFQ), requests for proposals (RFP), and the selection of a qualified proposer. **2008. 204 pp.**

PDF DOWNLOAD Code: DBP-1-UL | List Price: $45 | Member Price: $33

CONSTRUCTION & RIGHT-OF-WAY

GUIDE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 10TH EDITION, WITH 2022 INTERIM REVISIONS

Item Code: GSH-10-M

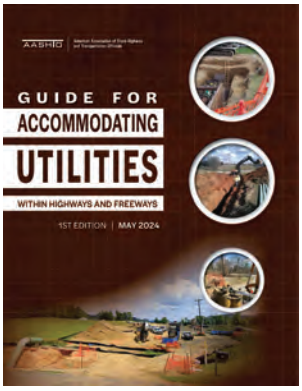


These guide specifications provide guidance for developing transportation contract specifications and are the national standard for best practices in highway and road construction. This consensus-based guide is used by states and local agencies as a standard requirement for roadway construction contracts and is a basis for those agencies to use in developing their own construction specifications. This edition focuses on electronic submittals, updated environmental requirements, and revised materials specifications. **2020. 625 pp.**

PDF DOWNLOAD Code: GSH-10-M-UL | List Price: $321 | Member Price: $238
PAPERBACK Code: GSH-10-M | List Price: $402 | Member Price: $298
PAPERBACK & PDF COMBO Code: GSH-10-M-PUL | List Price: $562 | Member Price: $417
5-USER PDF DOWNLOAD Code: GSH-10-M-IP5 | List Price: $1,366 | Member Price: $1,012
10-USER PDF DOWNLOAD Code: GSH-10-M-IP10 | List Price: $2,410 | Member Price: $1,785

GUIDE FOR ACCOMMODATING UTILITIES WITHIN HIGHWAYS AND FREEWAYS, 1ST EDITION

Item Code: GAUHF-1



This guide merges and updates the information in two former publications on utility accommodation: *A Policy on the Accommodation of Utilities Within Freeway Right-of-Way, 5th Edition* (published in 2005); and *A Guide for Accommodating Utilities within Highway Right-of-Way, 4th Edition* (published in 2005). The guide includes updates to materials that have changed or developed, as well as information on emerging technologies for installing and accommodating utilities in the right-of-way. **2024. 64 pp.**

PDF DOWNLOAD Code: GAUHF-1-UL | List Price: $86 | Member Price: $64
5-USER PDF DOWNLOAD Code: GAUHF-1-IP5 | List Price: $367 | Member Price: $272
10-USER PDF DOWNLOAD Code: GAUHF-1-IP10 | List Price: $648 | Member Price: $480

AASHTO PARTNERING HANDBOOK, 2ND EDITION

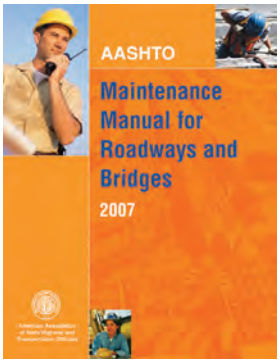
Item Code: APH-2



This handbook was developed to educate key customers and partners on the benefits and methods of adopting partnering principles, in both new and existing partnering programs. Its goal is to encourage agencies to create a project delivery environment that integrates partnering principles into routine business practices. This 2018 2nd edition supersedes the 2005 1st edition. **2018. 151 pp.**

PDF DOWNLOAD Code: APH-2-UL | List Price: $72 | Member Price: $53

MAINTENANCE



AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES, 4TH EDITION

Item Code: MM-4

This manual is intended for those early in their career in roadway and bridge maintenance and will assist in understanding the various processes, methods, and materials that are applied to maintain bridge and highway systems effectively. The 2007 edition is based on information gleaned from recent highway transportation literature on maintenance and from NCHRP SP20-07, Task 170, and includes a new chapter on Systems Operation and Management. **2007. 372 pp.**

PDF DOWNLOAD Code: MM-4-UL | List Price: $39 | Member Price: $29

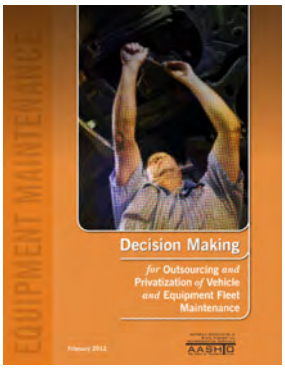


GUIDELINES FOR MAINTAINING SMALL MOVEMENT BRIDGE EXPANSION JOINTS, 1ST EDITION

Item Code: MSMB-1

These guidelines provide bridge maintenance practitioners with detailed procedures for replacing, repairing, and maintaining Small Movement Expansion Joints (SMEJs). "Small movement" is defined as an expansion joint with a total movement of 4" or less. SMEJs serve an important function in the life-cycle of a bridge. They provide a smooth transition from one span to another in a multi-span bridge or from the approach roadway to the deck, and they direct water and other chemicals off of the deck and away from the bridge. While the cost of a joint may be small relative to the total cost of the bridge, the consequences of a joint failure can be significant and, as such, there has been a growing awareness of the need to develop detailed procedures for maintaining, repairing, and replacing SMEJs. **2021. 130 pp.**

PDF DOWNLOAD Code: MSMB-1-UL | List Price: $149 | Member Price: $110
5-USER PDF DOWNLOAD Code: MSMB-1-IP5 | List Price: $631 | Member Price: $468
10-USER PDF DOWNLOAD Code: MSMB-1-IP10 | List Price: $1,114 | Member Price: $825



DECISION MAKING FOR OUTSOURCING AND PRIVATIZATION OF VEHICLE AND EQUIPMENT FLEET MAINTENANCE, 1ST EDITION

Item Code: EFM-1

This report presents a framework for conducting systematic analysis and making decisions on outsourcing and privatization of vehicle and equipment fleet maintenance. The framework defines a decision process model that focuses on the unique features of state department of transportation fleet maintenance and can be applied to a wide range of outsourcing decision alternatives. **2012. 84 pp.**

PDF DOWNLOAD Code: EFM-1-UL | List Price: $27 | Member Price: $20



MANUAL FOR EMULSION-BASED CHIP SEALS FOR PAVEMENT PRESERVATION, 1ST EDITION

Item Code: MEBC-1

This manual, designed for use by maintenance engineers and others involved in the maintenance and preservation of flexible pavements, addresses the factors affecting chip performance, discusses design and construction considerations, and identifies procedures for selecting the appropriate chip seal materials. It provides the information necessary to design and construct long-lasting chip seals and preserve pavements. **2012. 52 pp.**

PDF DOWNLOAD Code: MEBC-1-UL | List Price: $38 | Member Price: $28

MAINTENANCE

GUIDELINES FOR THE SELECTION AND APPLICATION OF WARNING LIGHTS ON ROADWAY OPERATIONS EQUIPMENT, 1ST EDITION

Item Code: WL-1



These guidelines have been developed based on the results of a series of experiments that considered more than forty lighting configurations in both static and dynamic environments. The metrics used in the experiments included presence of maintenance personnel, the identification of the maintenance vehicle, attention-getting, glare, peripheral detection, and urgency. Differing experimental conditions, such as weather, the presence of other vehicles, and time of day were also considered. **2009. 18 pp.**

PDF DOWNLOAD Code: WL-1-UL | List Price: $15 | Member Price: $11

GUIDELINES FOR VEGETATION MANAGEMENT, 1ST EDITION, WITH APPENDICES

Item Code: GVM-1-M

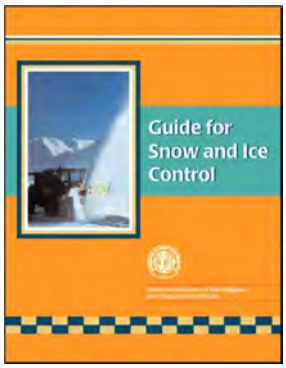


Roadside vegetation managers worldwide face dwindling resources, increasing environmental and legal constraints, and increasing public pressure to provide safe and aesthetically pleasing roadsides. These guidelines draw on the expertise of vegetation managers to provide the basic knowledge required to establish a roadside vegetation management program. **2011. 136 pp.**

PDF DOWNLOAD Code: GVM-1-M-UL | List Price: $45 | Member Price: $33

GUIDE FOR SNOW AND ICE CONTROL, 1ST EDITION

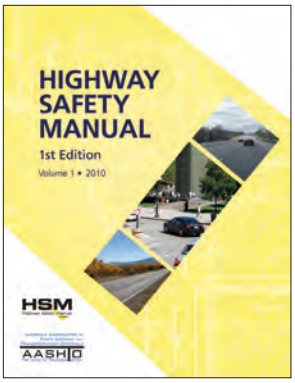
Item Code: GSIC-1



This guide provides a comprehensive overview of a snow and ice control program, and describes the purpose of snow and ice control and how to achieve an appropriate level of service. It stresses the importance of involving other jurisdictions, the media, emergency management services, and the public in developing policies and practices to provide the targeted level of service. It promotes innovative organizational practices and procedures to improve operations, reduce costs, and provide a safe environment for road users. It also describes the use of weather information technologies to improve resource allocation decisions. **1999. 268 pp.**

PDF DOWNLOAD Code: GSIC-1-UL | List Price: $38 | Member Price: $28

SAFETY

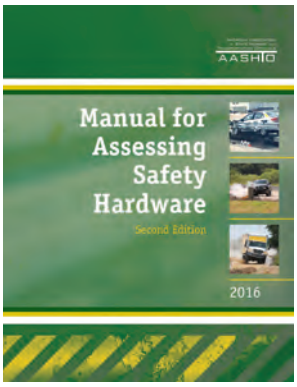


HIGHWAY SAFETY MANUAL, 1ST EDITION, WITH 2014 SUPPLEMENT

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. It assists 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. The manual 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: $594 | Member Price: $440

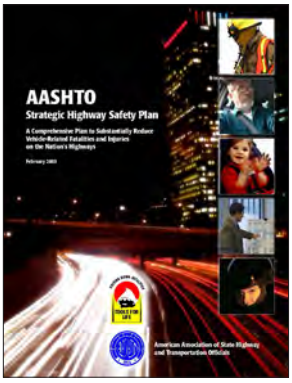


MANUAL FOR ASSESSING SAFETY HARDWARE, 2ND EDITION

Item Code: MASH-2-M

This manual encourages consistency in testing and evaluation of roadside safety features. It includes a new matrix for cable barrier testing on slopes, modifications to several test vehicle dimensions, and updated test documentation requirements. **2016. 277 pp.**

PDF DOWNLOAD Code: MASH-2-UL | List Price: $112 | Member Price: $83
PAPERBACK Code: MASH-2-M | List Price: $140 | Member Price: $104
PAPERBACK & PDF COMBO Code: MASH-2-M-PUL | List Price: $196 | Member Price: $145

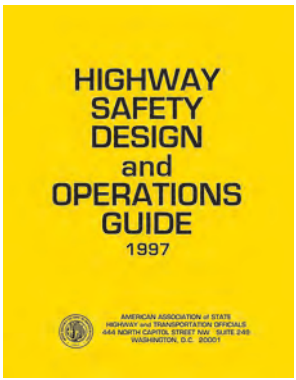


AASHTO STRATEGIC HIGHWAY SAFETY PLAN—A COMPREHENSIVE PLAN TO SUBSTANTIALLY REDUCE VEHICLE-RELATED FATALITIES AND INJURIES ON THE NATION'S HIGHWAYS, 2ND EDITION

Item Code: SHSP-2

This plan and the tools developed to facilitate its implementation offer state and local transportation and safety agencies a lifesaving blueprint ready for application in developing comprehensive highway safety plans. **2005. 40 pp.**

PDF DOWNLOAD Code: SHSP-2-OL | This is a FREE publication.



HIGHWAY SAFETY DESIGN AND OPERATIONS GUIDE, 3RD EDITION

Item Code: SR-3

This guide combines results of research and state-of-the-art technologies with proven engineering practices to enhance safety in highway operation and management. It consolidates safety information and suggests how existing situations might be upgraded to meet current standards and future needs. It is useful for design and planning purposes, as well as field reviews during planning, development, and evaluation. **1997. 131 pp.**

PDF DOWNLOAD Code: SR-3-UL | List Price: $30 | Member Price: $22

ENVIRONMENT

CONSTRUCTION STORMWATER FIELD GUIDE, 1ST EDITION

Item Code: FGCP-1



This guide is a quick reference for inspectors and resident engineers in construction on topics related to installation, maintenance, and inspection of common best management practices. Using this guide helps departments of transportation stay in compliance with federal, state, and local regulations for improving stormwater quality, and provides guidance where local publications may currently be lacking. **2016. 96 pp.**

PDF DOWNLOAD Code: FGCP-1-OL | FREE
SPIRAL BOUND Code: FGCP-1 | List Price: $15 | Member Price: $10

MAINTENANCE STORMWATER FIELD GUIDE, 1ST EDITION

Item Code: FGMP-1



This guide is a quick reference for maintenance staff on topics related to best management practices inspections and common operational practices. Good housekeeping and other pollution source control measures are presented. This guide will help in complying with federal and state regulations for stormwater quality, as well as help achieve a greater level of environmental stewardship. **2016. 66 pp.**

PDF DOWNLOAD Code: FGMP-1-OL | This is a FREE Publication.
SPIRAL BOUND Code: FGMP-1 | List Price: $15 | Member Price: $10

PRACTITIONER'S HANDBOOKS

AASHTO Practitioner's Handbooks provide practical advice on a range of environmental issues that arise during the planning, development, and operation of transportation projects. They are intended for use by project managers and others responsible for coordinating compliance with a wide range of regulatory requirements.

To view all available Practitioner's Handbooks, which are available to download, free of charge, visit the AASHTO Store online at store.transportation.org, and search by the term "Practitioner's Handbook."



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The **AASHTO "Essential Library"** includes those AASHTO publications considered to be our preeminent and foundational technical standards and guidelines related to the design, construction, operation, maintenance, and administration of the nation's highways, streets, bridges, and related transportation structures.

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- AASHTO LRFD Bridge Design Specifications, 10th Edition
- AASHTO LRFD Bridge Construction Specifications, 4th Edition
- Manual for Bridge Evaluation, 3rd Edition
- AASHTO Guide Specifications for LRFD Seismic Bridge Design, 3rd Edition
- LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 1st Edition

DESIGN & TRAFFIC

- A Policy on Geometric Design of Highways and Streets, 7th Edition (The “Green Book”)
- Roadside Design Guide, 4th Edition
- Guide for the Development of Bicycle Facilities, 5th Edition
- AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities, 2nd Edition

MATERIALS & PAVEMENT

- Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and AASHTO Provisional Standards, 45th Edition (The “Materials Standards”)
- Mechanistic-Empirical Pavement Design Guide: A Manual of Practice, 3rd Edition, with 2021 Supplement

CONSTRUCTION & RIGHT-OF-WAY

- Guide Specifications for Highway Construction, 10th Edition

SAFETY

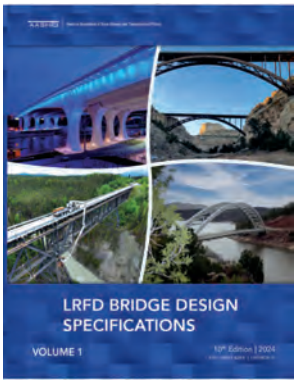
- Highway Safety Manual, 1st Edition
- Manual for Assessing Safety Hardware, 2nd Edition

BRIDGES & STRUCTURES

BRIDGE DESIGN

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 10TH EDITION

Item Code: LRFDBDS-10

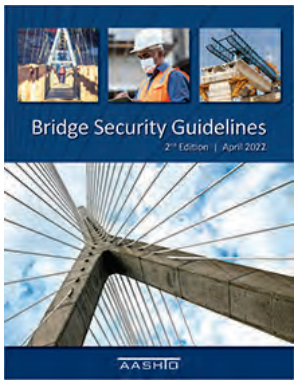


These specifications are intended for use in the design, evaluation, and rehabilitation of bridges. The specifications employ the Load and Resistance Factor Design (LRFD) methodology, using factors developed from current statistical knowledge of loads and structural performance. This edition includes updates to almost all sections, with extensive revisions made to Section 5, Concrete Structures; Section 6, Steel Structures; and Section 3, Loads and Load Factors. **2024. 1,905 pp.**

PDF DOWNLOAD Code: LRFDBDS-10-UL | List Price: $714 | Member Price: $529
LOOSELEAF Code: LRFDBDS-10 | List Price: $893 | Member Price: $661
LOOSELEAF & PDF COMBO Code: LRFDBDS-10-PUL | List Price: $1,250 | Member Price: $926
5-USER PDF DOWNLOAD Code: LRFDBDS-10-IP5 | List Price: $3,035 | Member Price: $2,248
10-USER PDF DOWNLOAD Code: LRFDBDS-10-IP10 | List Price: $5,356 | Member Price: $3,968
25-USER PDF DOWNLOAD Code: LRFDBDS-10-IP25 | List Price: $12,498 | Member Price: $9,258

BRIDGE SECURITY GUIDELINES, 2ND EDITION

Item Code: BSG-2

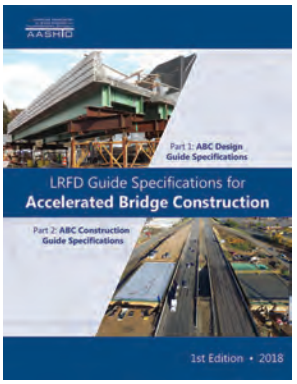


These guidelines offer guidance on bridge design for human-induced extreme events. It provides information on the response of concrete bridge columns subjected to blast loads, as well as blast-resistant design and detailing guidelines and analytical models of blast load distribution. This second edition includes additional resources for identifying potential solutions to mitigate risk from other intentional hazards. **2022. 101 pp.**

PDF DOWNLOAD Code: BSG-2-UL | List Price: $112 | Member Price: $83
5-USER PDF DOWNLOAD Code: BSG-2-IP5 | List Price: $476 | Member Price: $353
10-USER PDF DOWNLOAD Code: BSG-2-IP10 | List Price: $840 | Member Price: $623

LRFD GUIDE SPECIFICATIONS FOR ACCELERATED BRIDGE CONSTRUCTION, 1ST EDITION

Item Code: ABC-1

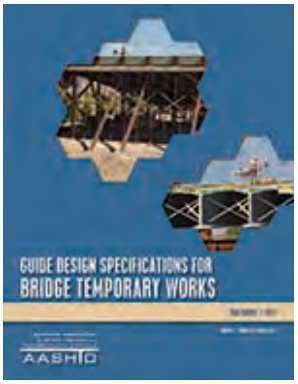


These guide specifications compile the growing body of recommended design and construction specifications for prefabricated bridge elements and systems for accelerated bridge construction, with a focus on constructability and durability. **2018. 225 pp.**

PDF DOWNLOAD Code: ABC-1-UL | List Price: $297 | Member Price: $220

GUIDE DESIGN SPECIFICATIONS FOR BRIDGE TEMPORARY WORKS, 2ND EDITION, WITH 2020 INTERIM REVISIONS

Item Code: GSBTW-2

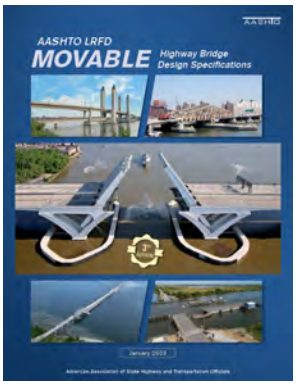


These design specifications reflect the current state of the practice for the design and construction of falsework, formwork, and temporary retaining structures. **2017. 113 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: GSBTW-2-UL | List Price: $149 | Member Price: $110

BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN

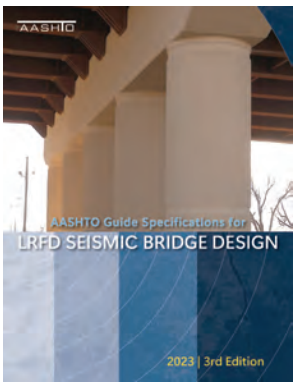


AASHTO LRFD MOVABLE HIGHWAY BRIDGE DESIGN SPECIFICATIONS, 3RD EDITION

Item Code: LRFDMOV-3

This publication provides comprehensive LRFD design specifications for highway movable bridges, including structural, seismic, vessel collision, mechanical, hydraulic, and electrical design, as well as establishes requirements for movable bridge operation and control. The specifications cover several types of movable bridges, including bascule, swing, and vertical lift. It includes the development and implementation of a consistent reliability-based methodology that is applied to machinery design and elsewhere, where practicable; optional site-specific wind loading, applied at the owners discretion; guidelines for operation of movable bridges from remote locations; and general updates to industry specification and code references, and material specification references. **2023. 311 pp.**

PDF DOWNLOAD Code: LRFDMOV-3-UL | List Price: $351 | Member Price: $260
5-USER PDF DOWNLOAD Code: LRFDMOV-3-IP5 | List Price: $1,492 | Member Price: $1,105
10-USER PDF DOWNLOAD Code: LRFDMOV-3-IP10 | List Price: $2,663 | Member Price: $1,950

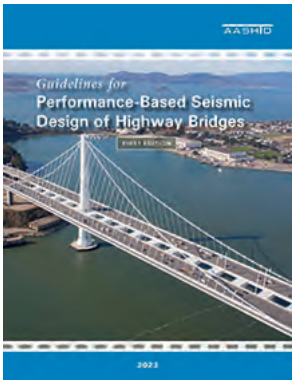


AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, 3RD EDITION

Item Code: LRFDSEIS-3

These guide specifications have been developed for use in the design and construction of conventional bridges to resist the effects of earthquake motions. They have been approved as an alternative to the seismic provisions in the *AASHTO LRFD Bridge Design Specifications* and differ from those provisions in the use of displacement-based design procedures, rather than the traditional force-based R-Factor method. **2023. 295 pp.**

PDF DOWNLOAD Code: LRFDSEIS-3-UL | List Price: $392 | Member Price: $290
5-USER PDF DOWNLOAD Code: LRFDSEIS-3-IP5 | List Price: $1,664 | Member Price: $1,233
10-USER PDF DOWNLOAD Code: LRFDSEIS-3-IP10 | List Price: $2,936 | Member Price: $2,175



GUIDELINES FOR PERFORMANCE-BASED SEISMIC DESIGN OF HIGHWAY BRIDGES, 1ST EDITION

Item Code: GPBSD-1

These guidelines represent the first implementation of performance-based seismic design for bridges in the United States, and its goal is to provide bridge designers and owners with a methodology for selecting the appropriate level of performance for a given bridge and implementing a design process that will, reasonably, result in achieving that level of performance under the design ground motions. **2023. 186 pp.**

PDF DOWNLOAD Code: GPBSD-1-UL | List Price: $243 | Member Price: $180
5-USER PDF DOWNLOAD Code: GPBSD-1-IP5 | List Price: $1,033 | Member Price: $765
10-USER PDF DOWNLOAD Code: GPBSD-1-IP10 | List Price: $1,823 | Member Price: $1,350



GUIDE SPECIFICATIONS FOR SEISMIC ISOLATION DESIGN, 4TH EDITION, WITH 2023 INTERIM REVISIONS

Item Code: GSID-4-M

These Guide Specifications address major changes in the way seismic hazard is defined in the United States, as well as changes in the state of the art of seismic isolation design for highway bridges. It reflects changes in the definition of the seismic hazard as now defined in the AASHTO LRFD Bridge Design Specifications and the Guide Specifications for LRFD Seismic Bridge Design, industry trends in the design and construction of isolators, and provisions in the design specifications that impact the design and testing of isolation bearings. . **2023. 186 pp.** ***(Interim Revisions Available Separately)***

LOOSELEAF Code: GSID-4-M | List Price: $400 | Member Price: $296
PDF DOWNLOAD Code: GSID-4-UL | List Price: $320 | Member Price: $237
LOOSELEAF & PDF COMBO Code: GSID-4-PUL | List Price: $560 | Member Price: $415

SPECIALTY BRIDGE DESIGN

GUIDE SPECIFICATIONS FOR BRIDGES SUBJECT TO TSUNAMI EFFECTS, 1ST EDITION

Item Code: GSBSTE-1



These guide specifications provide methods for estimating the risk posed by tsunamis in new bridge design, and identify accepted methodologies and details to mitigate that risk in design. **2022. 55 pp.**

PDF DOWNLOAD Code: GSBSTE-1-UL | List Price: $38 | Member Price: $28
5-USER PDF DOWNLOAD Code: GSBSTE-1-IP5 | List Price: $161 | Member Price: $119
10-USER PDF DOWNLOAD Code: GSBSTE-1-IP10 | List Price: $284 | Member Price: $210

GUIDE SPECIFICATIONS FOR BRIDGES VULNERABLE TO COASTAL STORMS, 1ST EDITION, WITH 2023 INTERIM REVISIONS

Item Code: BVCS-1



These guide specifications contain comprehensive information on the design of bridges vulnerable to coastal storms. The methods for calculating wave forces on superstructures are based, primarily, on numerical simulation of the state of pressure, velocity, and acceleration within the water as a wave passes under or over bridge cross sections. Coefficients needed for the numerical simulation process, known as the Physics Based Method (PBM), were developed through physical wave tank tests. Also included are current-induced forces guidelines that were the results of research conducted at the Turner-Fairbank Highway Research Center.
2008. 70 pp. ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: BVCS-1-UL | List Price: $36 | Member Price: $27

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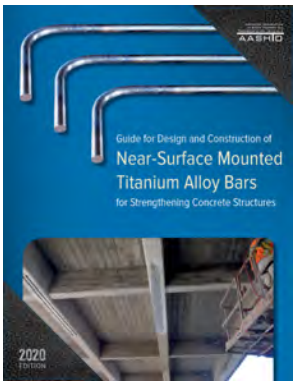
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BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN

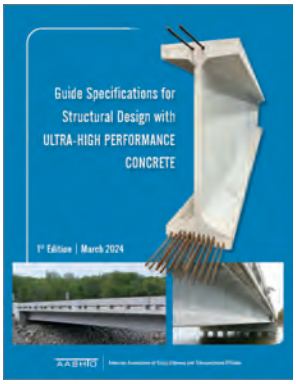


GUIDE FOR DESIGN AND CONSTRUCTION OF NEAR-SURFACE MOUNTED TITANIUM ALLOY BARS FOR STRENGTHENING CONCRETE STRUCTURES, 1ST EDITION

Item Code: NSMT-1

This guide provides design and construction recommendations for strengthening existing reinforced concrete structures with titanium alloy bars (TiABs), using the near-surface mounted (NSM) construction method. The overall approach and organization of the guide are based on those presented in ACI 440.2R (ACI, 2017). Design recommendations provided for shear and flexural strengthening are based on and adapted from the *AASHTO LRFD Bridge Design Specifications.* **2020. 48 pp.**

PDF DOWNLOAD Code: NSMT-1-UL | List Price: $81 | Member Price: $60

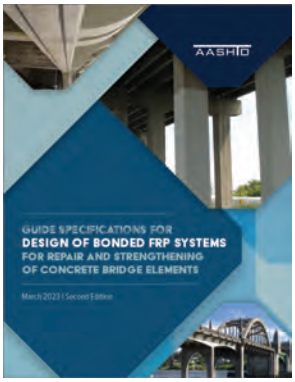


GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN WITH ULTRA-HIGH PERFORMANCE CONCRETE, 1ST EDITION

Item Code: LRFDUHP-1

These guide specifications are intended for structural design of bridge and ancillary structures utilizing ultra-high performance concrete (UHPC). UHPC is a class of concrete that has emerged as a compelling material for use in design, construction, and preservation of structures. It is a versatile material that can be used in primary structural components, field-cast connections between prefabricated components, and repair applications. **2024. 97 pp.**

PDF DOWNLOAD Code: LRFDUHP-1-UL | List Price: $162 | Member Price: $120
5-USER PDF DOWNLOAD Code: LRFDUHP-1-IP5 | List Price: $689 | Member Price: $510
10-USER PDF DOWNLOAD Code: LRFDUHP-1-IP10 | List Price: $1,215 | Member Price: $900

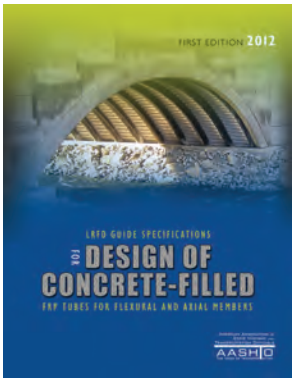


GUIDE SPECIFICATIONS FOR DESIGN OF BONDED FRP SYSTEMS FOR REPAIR AND STRENGTHENING OF CONCRETE BRIDGE ELEMENTS, 2ND EDITION

Item Code: FRPS-2

These guide specifications are intended for use in the repair and strengthening of reinforced and prestressed concrete highway bridge elements using externally bonded fiber-reinforced polymer (FRP) composite systems. The guide specifications have been updated to better align with ACI 440 strain approaches. **2023. 199 pp.**

PDF DOWNLOAD Code: FRPS-2-UL | List Price: $216 | Member Price: $160
5-USER PDF DOWNLOAD Code: FRPS-2-IP5 | List Price: $918 | Member Price: $680
10-USER PDF DOWNLOAD Code: FRPS-2-IP10 | List Price: $1,620 | Member Price: $1,200



AASHTO LRFD GUIDE SPECIFICATIONS FOR DESIGN OF CONCRETE-FILLED FRP TUBES, 1ST EDITION

Item Code: LRFDFRP-1

These guide specifications present provisions for the analysis and design of concrete-filled fiber-reinforced polymer (FRP) tubes (CFFT) for use as structural components in bridges. Design methodology allows CFFTs to be designed as flexural members, axial compression members, or members subjected to combined flexural and axial compression, in addition to shear. CFFT bridge components may include beams, arches, columns, and piles. **2012. 43 pp.**

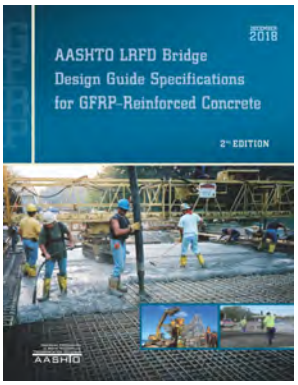
PDF DOWNLOAD Code: LRFDFRP-1-UL | List Price: $36 | Member Price: $27

BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN

AASHTO LRFD BRIDGE DESIGN GUIDE SPECIFICATIONS FOR GFRP-REINFORCED CONCRETE, 2ND EDITION

Item Code: GFRP-2



These guide specifications offer a description of the unique material properties of glass fiber-reinforced polymer (GFRP) composite materials, as well as provisions for the design and construction of concrete bridge decks and railings reinforced with GFRP reinforcing bars. **2018. 121 pp.**

PDF DOWNLOAD Code: GFRP-2-UL | List Price: $149 | Member Price: $110

GUIDE SPECIFICATIONS FOR THE DESIGN OF CONCRETE BRIDGE BEAMS PRESTRESSED WITH CARBON FIBER-REINFORCED POLYMER (CFRP) SYSTEMS, 1ST EDITION

Item Code: CFRP-1



These guide specifications apply to the design of prestressed concrete beams constructed of normal weight concrete and prestressed by carbon fiber-reinforced polymer (CFRP) prestressing systems. **2018. 70 pp.**

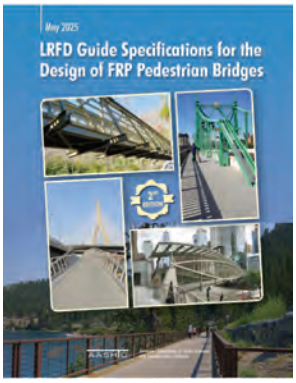
PDF DOWNLOAD Code: CFRP-1-UL | List Price: $57 | Member Price: $42

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BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN



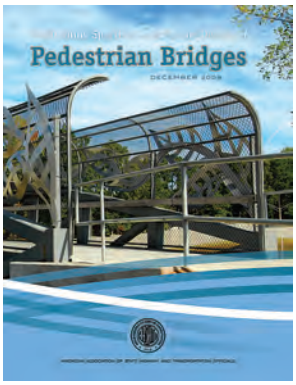
LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF FRP PEDESTRIAN BRIDGES, 2ND EDITION

Item Code: GSDFPB-2

The first edition of these guide specifications, published in 2008, was intended for FRP truss bridges made by bolting pultruded elements together. Since that time, pultruded FRP planks and vacuum infusion molded FRP panels have been used as bridge decking supported by steel, concrete, or timber beams. The design provisions were based on Allowable Stress Design (ASD) and Load Factor Design (LFD).

This second edition provides additional guidance unique to the design of FRP pedestrian bridges, and design provisions are based on Load and Resistance Factor Design (LRFD), using the current state of practice for the design and detailing of FRP pedestrian bridges. **2025. 83 pp.**

PDF DOWNLOAD Code: GSDFPB-2-UL | List Price: $88 | Member Price: $65
5-USER PDF DOWNLOAD Code: GSDFPB-2-IP5 | List Price: $373 | Member Price: $276
10-USER PDF DOWNLOAD Code: GSDFPB-2-IP10 | List Price: $658 | Member Price: $488

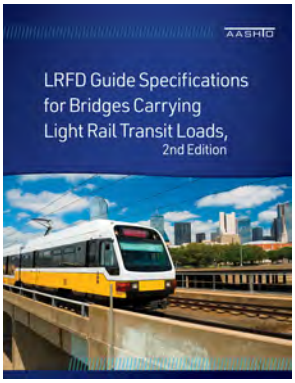


LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION, WITH 2015 INTERIM REVISIONS

Item Code: GSDPB-2

These guide specifications address the design and construction of typical pedestrian bridges that are designed to carry, primarily, pedestrians, bicyclists, equestrian riders, and light maintenance vehicles. **2009. 36 pp.**
(Interim Revisions Available Separately)

PDF DOWNLOAD Code: GSDPB-2-UL | List Price: $45 | Member Price: $33



LRFD GUIDE SPECIFICATIONS FOR BRIDGES CARRYING LIGHT RAIL TRANSIT LOADS, 2ND EDITION

Item Code: GSLR-2

These guide specifications address the design of bridges subjected to light rail transit (LRT) loadings, or both LRT and conventional highway traffic loadings. This second edition provides additional definitions common to the rail industry, and clarifies the application of live loading and derailment loading. It also revises language to improve consistency with the AASHTO LRFD Bridge Design Specifications, 9th Edition, with which it is designed to be used. **2022. 39 pp.**

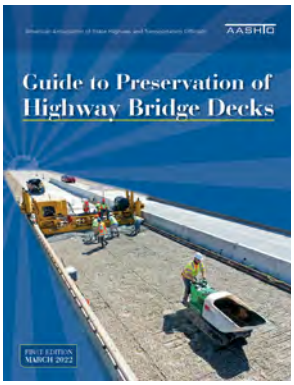
PDF DOWNLOAD Code: GSLR-2-UL | List Price: $38 | Member Price: $28
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10-USER PDF DOWNLOAD Code: GSLR-2-IP10 | List Price: $284 | Member Price: $210

BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN

GUIDE TO PRESERVATION OF HIGHWAY BRIDGE DECKS, 1ST EDITION

Item Code: GPHBD-1

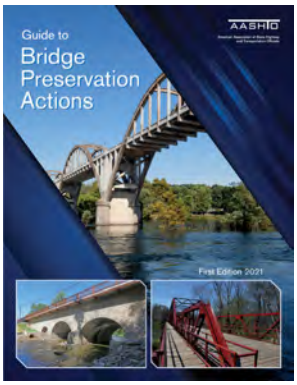


This guide outlines preservation treatments, including deck overlays, surface sealers, and deck repairs, that can extend the life of bridge decks in service, and presents the factors in deck capacity and durability that can influence the identification of candidates for deck preservation. The guide is designed for use on decks in fair or good condition with significant remaining service life. It includes over 20 highway bridge deck preservation treatments for bridge decks, outlining conditions when the treatment is appropriate and constraints on the treatments usage. **2023. 186 pp.**

PDF DOWNLOAD Code: GPHBD-1-UL | List Price: $243 | Member Price: $180
5-USER PDF DOWNLOAD Code: GPHBD-1-IP5 | List Price: $1,033 | Member Price: $765
10-USER PDF DOWNLOAD Code: GPHBD-1-IP10 | List Price: $1,823 | Member Price: $1,350

GUIDE TO BRIDGE PRESERVATION ACTIONS, 1ST EDITION

Item Code: BPA-1



This guide is intended to offer guidance on selecting specific, cost effective preservation and maintenance actions and treatments for agencies wishing to extend service life and estimate needed budgets to optimize performance of bridge inventories. It can be used to help preserve bridges and extend their service life by selecting cost effective actions and treatments for various bridge elements based on exposure. **2021. 375 pp**.

PDF DOWNLOAD Code: BPA-1-UL | List Price: $482 | Member Price: $357
5-USER PDF DOWNLOAD Code: BPA-1-IP5 | List Price: $2,048 | Member Price: $1,517
10-USER PDF DOWNLOAD Code: BPA-1-IP10 | List Price: $3,615 | Member Price: $2,678

GUIDE SPECIFICATION FOR SERVICE LIFE DESIGN OF HIGHWAY BRIDGES, 1ST EDITION

Item Code: HBSLD-1



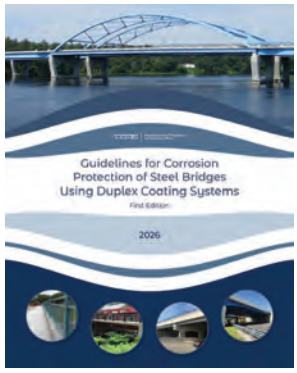
This guide specification is intended to offer design recommendations for agencies wishing to implement service life design principles and detailing recommendations. It was developed to incorporate quantitative approaches, along with proven deemed-to-satisfy provisions, into a single comprehensive design document for implementation on a national level. It also establishes a framework for service life design, while providing opportunities for refinement and expansion, especially as new models capable of simulating deterioration mechanisms become available. **2020. 193 pp.**

PDF DOWNLOAD Code: HBSLD-1-UL | List Price: $252 | Member Price: $187
5-USER PDF DOWNLOAD Code: HBSLD-1-IP5 | List Price: $1,073 | Member Price: $795
10-USER PDF DOWNLOAD Code: HBSLD-1-IP10 | List Price: $1,893 | Member Price: $1,403

GUIDELINES FOR CORROSION PROTECTION OF STEEL BRIDGES USING DUPLEX COATING SYSTEMS, 1ST EDITION

Item Code: GCPS-1

2026 Release

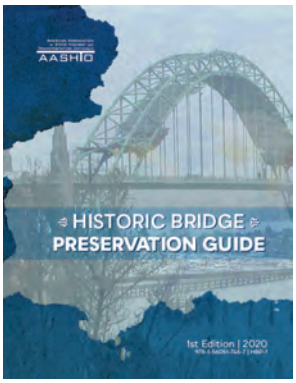


These guidelines provide bridge engineers and owners with information on best practices on the application of duplex coating systems, a paint system over a metallic coating, which has been shown to extend the service life of steel bridges. The use of the two methods provides a synergistic effect that, when done well, can increase confidence in a positive life-cycle value of these systems and multiply the individual service life of each coating exceeding the sum of each of their individual service lives. **2026. 111 pp.**

PDF DOWNLOAD Code: GCPS-1-UL | List Price: $155 | Member Price: $115
5-USER PDF DOWNLOAD Code: GCPS-1-IP5 | List Price: $660 | Member Price: $489
10-USER PDF DOWNLOAD Code: GCPS-1-IP10 | List Price: $1,164 | Member Price: $863

BRIDGES & STRUCTURES

SPECIALTY BRIDGE DESIGN

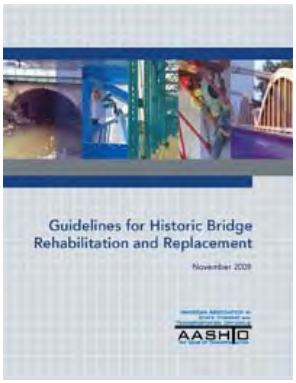


HISTORIC BRIDGE PRESERVATION GUIDE, 1ST EDITION

Item Code: HBP-1

The Historic Bridge Preservation Guide is a reference for the preservation and rehabilitation of both fixed and movable historic highway bridges. Historic preservation laws present a unique set of challenges when maintaining bridges, and balancing cultural and historic value with functional safety characteristics requires specialized knowledge and processes. This guide aims to familiarize all engineers with the unique and diverse skills needed for successful historic bridge preservation and rehabilitation projects. **2020. 133 pp.**

PDF DOWNLOAD Code: HBP-1-UL | List Price: $171 | Member Price: $127
5-USER PDF DOWNLOAD Code: HBP-1-IP5 | List Price: $729 | Member Price: $540
10-USER PDF DOWNLOAD Code: HBP-1-IP10 | List Price: $1,286 | Member Price: $953

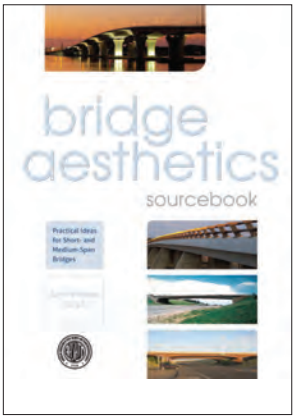


GUIDELINES FOR HISTORIC BRIDGE REHABILITATION AND REPLACEMENT, 1ST EDITION

Item Code: GHBRR-1

These guidelines present findings of a survey on the current state of historic bridge rehabilitation or replacement decision making by state and local transportation agencies, and nationally applicable decision-making guidelines for historic bridges. The guidelines are intended to be used as the protocol for defining when rehabilitation of historic bridges can be considered prudent and feasible and when it is not based on engineering and environmental data and judgments. The guidelines include identification of various approaches to bringing historic bridges into conformance with current design and safety guidelines/standards, and the effect or implications of remedial action on historical significance. **2008. 64 pp.**

PDF DOWNLOAD Code: GHBRR-1-OL | This is a FREE publication.



BRIDGE AESTHETICS SOURCEBOOK, 1ST EDITION

Item Code: BAS-1

This sourcebook provides guidelines for improving the appearance of short- to medium-span bridges. The public is becoming ever more aware of the appearance of bridges and the effects they have in their communities. Every structural decision is an aesthetic decision. If a decision affects the size, shape, color, or surface texture of a visible part of the bridge, it affects how people will feel about the bridge appearing in their community. **2010. 64 pp.**

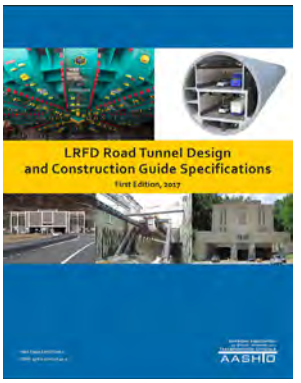
PDF DOWNLOAD Code: BAS-1-UL | List Price: $19 | Member Price: $14

BRIDGES & STRUCTURES

OTHER STRUCTURAL DESIGN

LRFD ROAD TUNNEL DESIGN AND CONSTRUCTION GUIDE SPECIFICATIONS, 1ST EDITION

Item Code: LRFDTUN-1

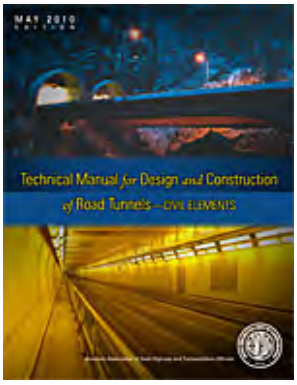


These guide specifications are intended for the design, evaluation, and rehabilitation of highway tunnels, and for the design of tunnels constructed using cut-and-cover, bored, mined, and immersed tunnel construction methodologies. **2017. 279 pp.**

PDF DOWNLOAD Code: LRFDTUN-1-UL | List Price: $335 | Member Price: $248

TECHNICAL MANUAL FOR DESIGN AND CONSTRUCTION OF ROAD TUNNELS—CIVIL ELEMENTS, 1ST EDITION

Item Code: DCRT-1



This technical manual provides recommendations for the planning, design, construction, and structural rehabilitation and repair of the civil elements of road tunnels, including cut-and-cover tunnels, mines and bored tunnels, immersed tunnels, and jacked box tunnels. **2010. 662 pp.**

LOOSELEAF Code: DCRT-1 | List Price: $278 | Member Price: $206
PDF DOWNLOAD Code: DCRT-1-UL | List Price: $223 | Member Price: $165
LOOSELEAF & PDF COMBO Code: DCRT-1-PUL | List Price: $390 | Member Price: $289

LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 1ST EDITION

Item Code: LRFDLTS-1-M

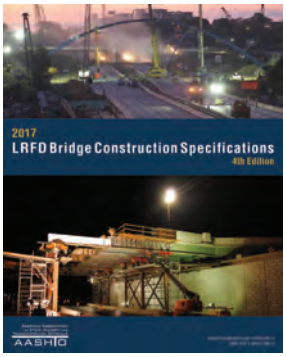


These specifications include current research on LRFD calibration, loads, and resistances. New sections on fabrication, construction, inspection, and asset management have also been added. **2015. 436 pp.**
(Interim Revisions Available Separately)

PDF DOWNLOAD Code: LRFDLTS-1-UL | List Price: $297 | Member Price: $220
LOOSELEAF Code: LRFDLTS-1 | List Price: $371 | Member Price: $275
LOOSELEAF & PDF COMBO Code: LRFDLTS-1-PUL | List Price: $520 | Member Price: $385

BRIDGES & STRUCTURES

BRIDGE CONSTRUCTION

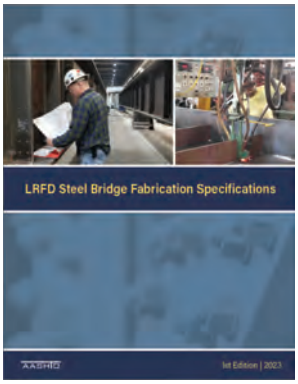


AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, 4TH EDITION, WITH 2020, 2022, 2023, 2024, AND 2025 INTERIM REVISIONS

Item Code: LRFDCONS-4-M

These specifications are intended for use in the construction of bridges and employ the Load and Resistance Factor Design (LRFD) methodology. They are designed to be used in conjunction with the *AASHTO LRFD Bridge Design Specifications.* **2017. 611 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: LRFDCONS-4-UL | List Price: $630 | Member Price: $467
LOOSELEAF Code: LRFDCONS-4-M | List Price: $788 | Member Price: $584
LOOSELEAF & PDF COMBO Code: LRFDCONS-4-PUL | List Price: $1,103 | Member Price: $817
5-USER PDF DOWNLOAD Code: LRFDCONS-4-IP5 | List Price: $2,679 | Member Price: $1,985
10-USER PDF DOWNLOAD Code: LRFDCONS-4-IP10 | List Price: $4,728 |Member Price: $3,503



LRFD STEEL BRIDGE FABRICATION SPECIFICATIONS, 1ST EDITION, WITH 2024 AND 2025 INTERIM REVISIONS

Item Code: LRFDSFS-1

These specifications govern the fabrication of vehicular steel bridges to include the furnishing and fabrication of steel structures, and the structural steel portions of other structures. Their objective is to achieve quality and value from a common specification that standardizes vehicular steel bridge fabrication in the United States. Specifically, the specifications (a) minimize variations among projects; (b) provide economy, because individual fabricators would not have to change their methods and production variables; (c) allow expertise in steel bridge fabrication to be shared among states; and (d) enable owners to share resources, minimizing the effort each would, otherwise, spend to maintain their individual bridge fabrication specifications. **2023. 188 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: LRFDSFS-1-UL | List Price: $244 | Member Price: $181
5-USER PDF DOWNLOAD Code: LRFDSFS-1-IP5 | List Price: $1.038 | Member Price: $769
10-USER PDF DOWNLOAD Code: LRFDSFS-1-IP10 | List Price: $1,833 | Member Price: $1,358



GUIDE DESIGN SPECIFICATIONS FOR BRIDGE TEMPORARY WORKS, 2ND EDITION, WITH 2020 INTERIM REVISIONS

Item Code: GSBTW-2

These design specifications reflect the current state of the practice for the design and construction of falsework, formwork, and temporary retaining structures. **2017. 113 pp.**
(Interim Revisions Available Separately)

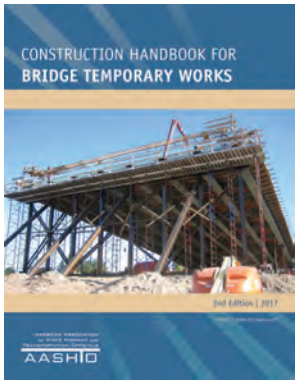
PDF DOWNLOAD Code: GSBTW-2-UL | List Price: $149 | Member Price: $110

BRIDGES & STRUCTURES

BRIDGE CONSTRUCTION

CONSTRUCTION HANDBOOK FOR BRIDGE TEMPORARY WORKS, 2ND EDITION

Item Code: CHBTW-2

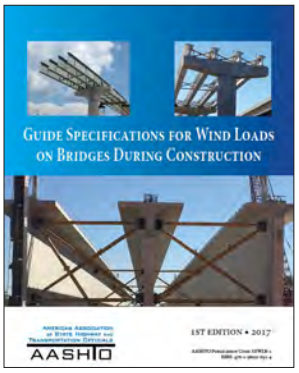


This handbook focuses on standards of material quality, and means and methods of construction. It also contains information on falsework, formwork, and temporary retaining structures. It supplements the information in the *Guide Design Specifications for Bridge Temporary Works.* **2017. 155 pp.**

PDF DOWNLOAD Code: CHBTW-2-UL | List Price: $193 | Member Price: $143

GUIDE SPECIFICATIONS FOR WIND LOADS ON BRIDGES DURING CONSTRUCTION, 1ST EDITION

Item Code: GSWLB-1

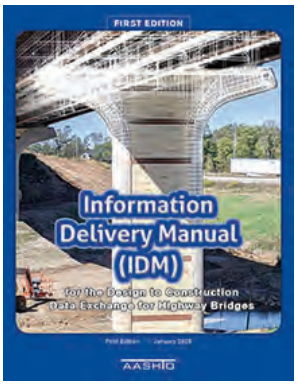


These guide specifications establish minimum requirements for wind loads on bridges during construction before a deck is placed. The wind loads determined using these specifications are to be used for checking bridge girders, temporary and permanent bracing, and the permanent substructure during the erection of the girders and up to the time of placement of the deck. All other aspects of the design are to be performed in accordance to the *AASHTO LRFD Bridge Design Specifications* or as specified as appropriate by the bridge owner. **2017. 26 pp.**

PDF DOWNLOAD Code: GSWLB-1-UL | List Price: $73 | Member Price: $54

INFORMATION DELIVERY MANUAL (IDM) FOR THE DESIGN TO CONSTRUCTION DATA EXCHANGE FOR HIGHWAY BRIDGES, 1ST EDITION

Item Code: IDM-1

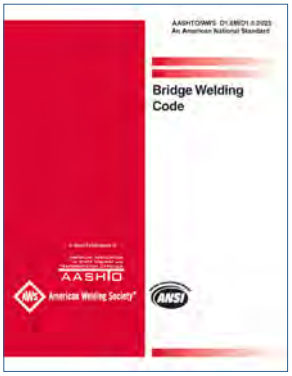


This manual is a reference for a standardized set of information to serve one specific use case: the exchange of model-based information to execute the construction. Its goal is to support the development of a range of technical solutions for computer interoperable information exchange for highway bridges and related structures in the United States. It is designed for use by software vendors and state departments of transportation to map the information exchange requirement to version 4.3 of the Industry Foundation Classes schema. **2023. 72 pp.**

PDF DOWNLOAD Code: IDM-1-UL | List Price: $108 | Member Price: $80
5-USER PDF DOWNLOAD Code: IDM-1-IP5 | List Price: $459 | Member Price: $340
10-USER PDF DOWNLOAD Code: IDM-1-IP10 | List Price: $810 | Member Price: $600

AASHTO/AWS D1.5M/D1.5:2025 BRIDGE WELDING CODE, 9TH EDITION

Item Code: BWC-9

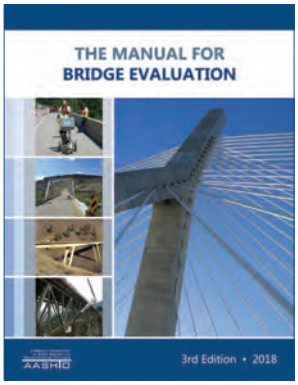


This code covers the welding requirements for welded bridges made from carbon and low-alloy constructional steels and designed to AASHTO or AREMA requirements. This 2025 edition contains dimensions in metric SI Units and U.S. Customary Units. Clauses 1 through 9 constitute a body of rules for the regulation of welding in steel construction. Clauses 10 and 11 do not contain provisions, as their analogue D1.1/D1.1M sections are not applicable to the D1.5 code. Clause 12 contains the requirements for fabricating fracture-critical members.d. **2025. 504 pp.**

PAPERBACK Code: BWC-9 | List Price: $556 | Member Price: $417

BRIDGES & STRUCTURES

STRUCTURAL INSPECTION AND EVALUATION



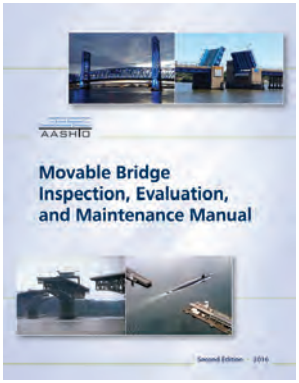
MANUAL FOR BRIDGE EVALUATION, 3RD EDITION, WITH 2020 AND 2022 INTERIM REVISIONS

Item Code: MBE-3-M

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. **2018. 749 pp.**

(Interim Revisions Available Separately)

PDF DOWNLOAD Code: MBE-3-UL | List Price: $498 | Member Price: $369
LOOSELEAF Code: MBE-3-M | List Price: $623 | Member Price: $461
LOOSELEAF & PDF COMBO Code: MBE-3-PUL | List Price: $872 | Member Price: $646

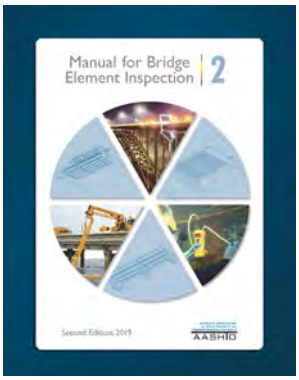


MOVABLE BRIDGE INSPECTION, EVALUATION, AND MAINTENANCE MANUAL, 2ND EDITION, WITH 2024 INTERIM REVISIONS

Item Code: MBI-2

This manual presents uniform guidelines and procedures pertaining to the structural, mechanical, electrical, and operational characteristics unique to movable highway bridges. **2017. 515 pp.**
(Interim Revisions Available Separately)

PDF DOWNLOAD Code: MBI-2-UL | List Price: $489 | Member Price: $362
LOOSELEAF Code: MBI-2 | List Price: $611 | Member Price: $453
LOOSELEAF & PDF COMBO Code: MBI-2-PUL | List Price: $855 | Member Price: $634

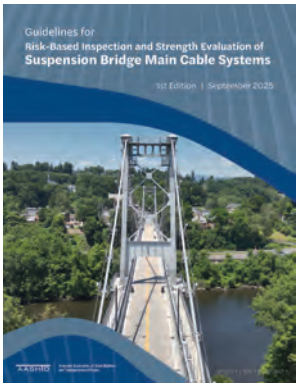


MANUAL FOR BRIDGE ELEMENT INSPECTION, 2ND EDITION, WITH 2022, 2024, AND 2025 INTERIM REVISIONS

Item Code: MBEI-2-M

This manual is a reference for standardized element definitions, element quantity calculations, condition state definitions, element feasible actions, and inspection conventions. Its goal is to capture the condition of bridges in a simple, effective way that can be standardized nationwide, while providing enough flexibility to be adapted by both large and small agencies. **2019. 181 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: MBEI-2-UL | List Price: $298 | Member Price: $221
LOOSELEAF Code: MBEI-2-M | List Price: $373 | Member Price: $276
LOOSELEAF & PDF COMBO Code: MBEI-2-PUL | List Price: $522 | Member Price: $387
25-USER PDF DOWNLOAD Code: MBEI-2-IP25 | List Price: $5,221 | Member Price: $3,868



GUIDELINES FOR RISK-BASED INSPECTION AND STRENGTH EVALUATION OF SUSPENSION BRIDGE MAIN CABLE SYSTEMS, 1ST EDITION

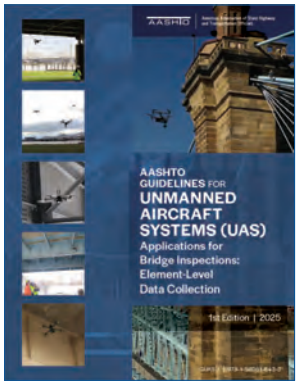
Item Code: GRISES-1

These guidelines provide a risk-based methodology to inspect and load rate suspension bridge cable systems, based on national research and years of proven practical and effective use. Topics include initial data gathering, field inspection, testing, synthesis of data, estimating cable strength, risk-based method for determining inspection intervals, and illustrative examples. **2025. 169 pp.**

PDF DOWNLOAD Code: GRISES-1-UL | List Price: $189 | Member Price: $140
5-USER PDF DOWNLOAD Code: GRISES-1-IP5 | List Price: $803 | Member Price: $595
10-USER PDF DOWNLOAD Code:GRISES-1-IP10 | List Price: $1,418 | Member Price: $1,050

STRUCTURAL INSPECTION AND EVALUATION

AASHTO GUIDELINES FOR UNMANNED AIRCRAFT SYSTEMS (UAS) APPLICATIONS FOR BRIDGE INSPECTIONS: ELEMENT-LEVEL DATA COLLECTION, 1ST EDITION

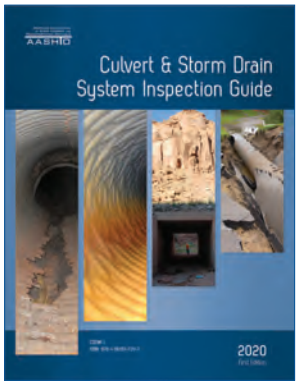


Item Code: GUAS-1

These guidelines provide information and best practices for developing Unmanned Aircraft Systems (UAS) inspection programs which, increasingly, are being used to supplement bridge inspections, due to their ability to collect visual information in areas that are challenging to access safely and economically. These guidelines are intended for use by state departments of transportation and other organizations that conduct inspections to assess bridges using element-level condition states and are necessary to ensure the quality and consistency of data collection. **2025. 149 pp.**

PDF DOWNLOAD Code: GUAS-1-UL | List Price: $90 | Member Price: $122
5-USER PDF DOWNLOAD Code:GUAS-1-IP5 | List Price: $383 | Member Price: $516
10-USER PDF DOWNLOAD Code: GUAS-1-IP10 | List Price: $675 | Member Price: $911

CULVERT AND STORM DRAIN SYSTEM INSPECTION GUIDE, 1ST EDITION

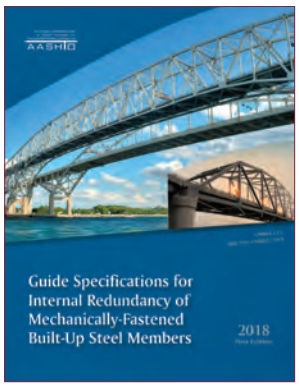


Item Code: CSDIM-1

This guide provides guidelines for routine condition assessment of culverts or storm drains, including all components in their systems. It provides a reliable and reproducible method to rate the condition of system components. **2020. 288 pp.**

PDF DOWNLOAD Code: CSDIM-1-UL | List Price: $312 | Member Price: $231
LOOSELEAF Code: CSDIM-1 | List Price: $390 | Member Price: $289
LOOSELEAF & PDF COMBO Code: CSDIM-1-PUL | List Price: $546 | Member Price: $404
5-USER PDF DOWNLOAD Code: CSDIM-1-IP5 | List Price: $1,325 | Member Price: $982
10-USER PDF DOWNLOAD Code: CSDIM-1-IP10 | List Price: $2,339 | Member Price: $1,733

GUIDE SPECIFICATIONS FOR INTERNAL REDUNDANCY OF MECHANICALLY-FASTENED BUILT-UP STEEL MEMBERS, 1ST EDITION, WITH 2022 AND 2025 INTERIM REVISIONS

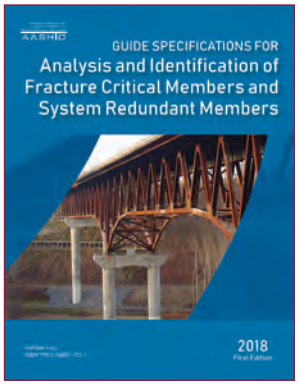


Item Code: GSBSM-1

These guide specifications are intended to provide an analytical framework to evaluate the internal redundancy of typical steel bridge members and designate primary steel members as Fracture Critical Members (FCMs) or Internally Redundant Members (IRMs). They describe a procedure for evaluating the internal redundancy of the built-up tension members of the tension components of flexural members and axially loaded tension members. **2018. 101 pp.**
(Interim Revisions Available Separately)

PDF DOWNLOAD Code: GSBSM-1-UL | List Price: $84 | Member Price: $62
5-USER PDF DOWNLOAD Code: GSBSM-1-IP5 | List Price: $356 | Member Price: $264
10-USER PDF DOWNLOAD Code: GSBSM-1-IP10 | List Price: $628 | Member Price: $465

GUIDE SPECIFICATIONS FOR ANALYSIS AND IDENTIFICATION OF FRACTURE CRITICAL MEMBERS AND SYSTEM REDUNDANT MEMBERS, 1ST EDITION, WITH 2022 INTERIM REVISIONS



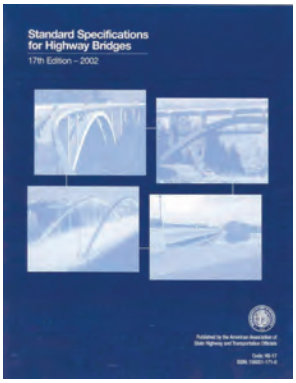
Item Code: GSFCM-1

These guide specifications provide standards and procedures on how best to perform a system analysis to determine performance and response in the event a Fracture Critical Member is assumed to have failed. These assessment procedures apply to typical steel bridges, including simple span and continuous I-girder and tub girder bridges, through-girder bridges, truss bridges, and tied arch bridges. **2018. 57 pp.**
(Interim Revisions Available Separately)

PDF DOWNLOAD Code: GSFCM-1-UL | List Price: $69 | Member Price: $51

BRIDGES & STRUCTURES

STANDARD SPECIFICATIONS

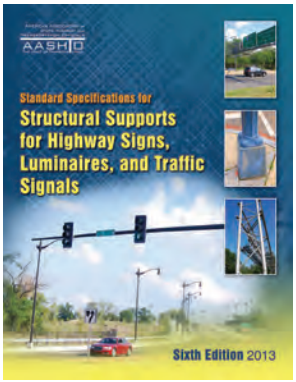


STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION

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: $335 | Member Price: $248
PAPERBACK Code: HB-17 | List Price: $419 | Member Price: $310
PAPERBACK & PDF COMBO Code: HB-17-PUL List Price: $586 | Member Price: $434

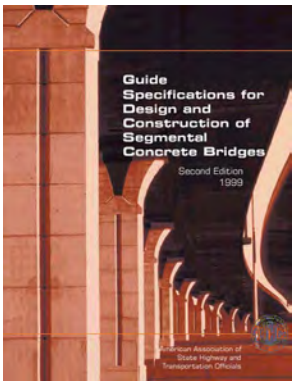


STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 6TH EDITION, WITH 2015, 2019, 2020, 2022, AND 2025 INTERIM REVISIONS

Item Code: LTS-6-M

These specifications are a standard for the design, fabrication, and erection of the structural design of supports for highway signs, luminaires, and traffic signals. **2013. 404 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: LTS-6-UL | List Price: $531 | Member Price: $393
LOOSELEAF Code: LTS-6-M | List Price: $663 | Member Price: $491
LOOSELEAF & PDF COMBO Code: LTS-6-PUL | List Price: $928 | Member Price: $688



GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF SEGMENTAL CONCRETE BRIDGES, 2ND EDITION, WITH 2003 INTERIM REVISIONS

Item Code: GSCB-2

Developed by a committee organized by the American Segmental Bridge Institute, these guide specifications apply to the design and construction of segmental concrete bridges and are designed to be used in conjunction with the *Standard Specifications for Highway Bridges.* **1999. 92 pp.** ***(Interim Revisions Available Separately)***

PDF DOWNLOAD Code: GSCB-2-UL | List Price: $74 | Member Price: $55

AASHTO/NCBC CONCRETE BRIDGE COLLABORATION

AASHTO and the National Concrete Bridge Council (NCBC) have collaborated to develop publications related to concrete bridge construction.

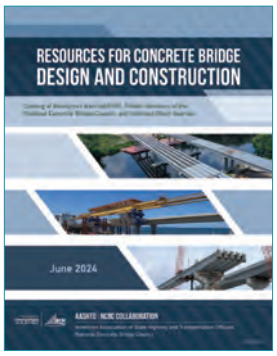
The AASHTO/NCBC Concrete Bridge Collaboration publication below is **available to download, free of charge, from the AASHTO Store.**

RESOURCES FOR CONCRETE BRIDGE DESIGN AND CONSTRUCTION, 1ST EDITION

Item Code: NCBCRCB-1

This publication compiles a list of essential resources for concrete bridge practitioners in their design and construction endeavors. It is useful for both new engineers to be exposed to these available resources, as well as for long-term practitioners to locate current and relevant resources. **2024. 86 pp.**

PDF DOWNLOAD Code: NCBCRCB-1-OL | This is a FREE publication.



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AASHTO/NSBA STEEL BRIDGE COLLABORATION

AASHTO and the National Steel Bridge Alliance (NSBA) have collaborated to develop publications related to steel bridge construction.

For a list of all AASHTO/NSBA Steel Bridge Collaboration publications, which are available to download, free of charge, visit the AASHTO Store online at store.transportation.org, and search by the term "NSBA".

SHOP DETAIL DRAWING PRESENTATION GUIDELINES, 1ST EDITION, G1.3—2002
PDF DOWNLOAD Code: NSBASDDP-1 | Published: 2003

GUIDELINES FOR DESIGN DETAILS, 1ST EDITION, G1.4—2006
PDF DOWNLOAD Code: NSBAGDD-1 | Published: 2007

SAMPLE OWNERS QUALITY ASSURANCE MANUAL, 1ST EDITION, G4.4—2006
PDF DOWNLOAD Code: NSBASOQA-1 | Published: 2007

GUIDE SPECIFICATION FOR APPLICATION OF COATING SYSTEMS WITH ZINC-RICH PRIMERS TO STEEL BRIDGES, 3RD EDITION, S8.1—2014
PDF DOWNLOAD Code: NSBASBCS-3 | Published: 2014

GUIDELINES FOR RESOLUTION OF STEEL BRIDGE FABRICATION ERRORS, 1ST EDITION, G2.2—2016
PDF DOWNLOAD Code: NSBAGRSB-1 | Published: 2016

SPECIFICATION FOR APPLICATION OF THERMAL SPRAY COATING SYSTEMS TO STEEL BRIDGES, 1ST EDITION, S8.2—2017
PDF DOWNLOAD Code: NSBAATSC-1 | Published: 2017

GUIDELINES FOR THE QUALIFICATION OF STRUCTURAL BOLTING INSPECTORS, 3RD EDITION, G4.2—2024
PDF DOWNLOAD Code: NSBAQSBI-3 | Published: 2018

GUIDELINES FOR STEEL GIRDER BRIDGE ANALYSIS, 3RD EDITION, G13.1—2019
PDF DOWNLOAD Code: NSBASGBA-3 | Published: 2019

AASHTO/NSBA STEEL BRIDGE COLLABORATION

GUIDELINES TO DESIGN FOR CONSTRUCTABILITY AND FABRICATION, 4TH EDITION, G12.1—2020
PDF DOWNLOAD Code: NSBAGDC-4 | Published: 2020

SHOP DESIGN DRAWINGS REVIEW/APPROVAL GUIDELINES, G1.1—2000
PDF DOWNLOAD Code: NSBASDDRAG-1 | Published: 2000

MAINTENANCE GUIDELINES FOR STEEL BRIDGES TO ADDRESS FATIGUE CRACKING AND DETAILS AT RISK OF CONSTRAINT-INDUCED FRACTURE, G14.1—2021
PDF DOWNLOAD Code: NSBAMGFC-1 | Published: 2022

STEEL BRIDGE BEARING GUIDELINE, 2ND EDITION, G9.1—2022
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GUIDELINES FOR STEEL TRUSS BRIDGE ANALYSIS, 1ST EDITION, G13.2—2024
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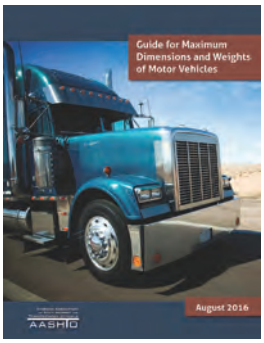
SPECIFICATION FOR STRUCTURAL DUPLEX STAINLESS STEEL BRIDGE PLATE MATERIALS, 1ST EDITION, S18.1—2025
PDF DOWNLOAD Code: NSBABPM-1 | Published: 2026

2026 Release

SPECIFICATION FOR DESIGN OF STRUCTURAL DUPLEX STAINLESS STEEL BRIDGES, 1ST EDITION, S18.2—2025
PDF DOWNLOAD Code: NSBADSB-1 | Published: 2026

2026 Release

HIGHWAY TRANSPORT & TRUCKING

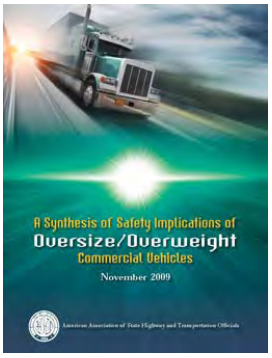


GUIDE FOR MAXIMUM DIMENSIONS AND WEIGHTS OF MOTOR VEHICLES, 5TH EDITION

Item Code: GSW-5

This guide provides information for states and commercial carriers that can be used in connection with vehicle size and weight issues, and permit practices directed towards improving safety, managing highway and bridge infrastructure, and streamlining regulatory processes. It contains definitions of commonly used terms, descriptions of vehicles in regular operation, dimension and weight limits, and an overview of the permitting process for overweight, oversize vehicles. It also provides an explanation of the rules and processes related to the movement of military vehicles. **2016. 32 pp.**

PDF DOWNLOAD Code: GSW-5-UL | List Price: $36 | Member Price: $27



A SYNTHESIS OF SAFETY IMPLICATIONS OF OVERSIZE/OVERWEIGHT COMMERCIAL VEHICLES, 1ST EDITION

Item Code: OSOW-1

This report identifies known relationships between commercial vehicle safety and crash causation factors and provides a synthesis of safety implications of oversize/overweight (OS/OW) commercial vehicles. This information can be used to support commercial vehicle enforcement and permitting practices, as well as justify expenditures and investments on size and weight enforcement to enhance safety. The report also highlights the primary findings regarding the contributions of OS/OW to commercial vehicle crashes. **2009. 111 pp.**

PDF DOWNLOAD Code: OSOW-1-UL | List Price: $36 | Member Price: $27

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PASSENGER RAIL & FREIGHT

FREIGHT TRANSPORTATION IN THE MARITIME SECTOR: BOTTOM LINE REPORT, 2026 UPDATE

NEW



Item Code: WFT-2

This report covers the key issues and challenges related to the maritime freight transportation system. These include current federal funding and grant programs; major legislation supporting the nation's waterways; maritime and multimodal freight transportation collaborations; fundamental metrics—commodity flows, trends, and forecasts—for port and inland waterway performance; infrastructure needs; and workforce and environmental issues. Based on a survey of AASHTO member organizations, the report also highlights key state maritime programs and planning efforts. Developed by the AASHTO Council on Water Transportation, with support from the Special Committee on Freight, this report updates two previously released maritime freight reports: *Waterborne Freight Transportation: Bottom Line Report* and *State of Freight II—Implementing the FAST Act and Beyond.* **2026. 38 pp.**

PDF DOWNLOAD Code: WFT-2-OL | This is a FREE publication.

FRAMEWORK FOR ASSESSING THE BUSINESS CASE ROI FOR INTERCITY PASSENGER RAIL CORRIDOR INVESTMENTS, 1ST EDITION

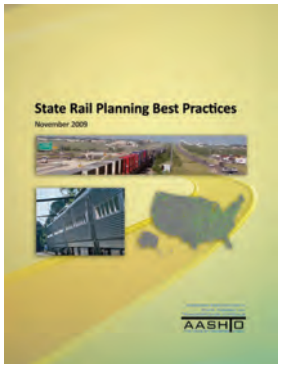


Item Code: ROIIPR-1

This guide has been developed to assist cities, metropolitan agencies, state DOTs, and Federal agencies by providing a common methodology, utilizing best practice methods, to measure public benefits and assess return on investment (ROI) for proposed high-speed and intercity passenger rail (HS&IPR) projects. It is intended to assist public agencies to assess whether and how they can most appropriately participate in supporting and enabling these projects. **2021. 74 pp.**

PDF DOWNLOAD Code: ROIIPR-1-OL | This is a FREE publication.

STATE RAIL PLANNING BEST PRACTICES, 1ST EDITION



Item Code: SRPG-1

This guidebook assists states in developing state rail plans that are compliant with the Passenger Rail Investment and Improvement Act (PRIIA) and customized to their unique circumstances. It serves as flexible guidance to states either launching state rail plans for the first time, or renewing older plans and seeking new funding. **2009. 94 pp.**

PDF DOWNLOAD Code: SRPG-1-UL | List Price: $36 | Member Price: $27

STATE RAIL PLANNING BEST PRACTICES, VOLUME 2

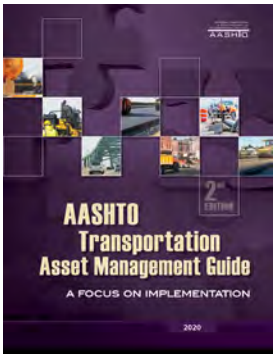


Item Code: SRPG-1S

This supplement to the 2009 *State Rail Planning Best Practices*, 1st Edition, documents current best practices and summarizes states' activities to develop state rail plans since the enactment of the Passenger Rail Investment and Improvement Act (PRIIA). It also summarizes the experiences of states that participated in a state rail planning survey conducted by AASHTO in 2013. **2016. 41 pp.**

PDF DOWNLOAD Code: SRPG-1S-UL | List Price: $30 | Member Price: $22

ASSET MANAGEMENT & PLANNING

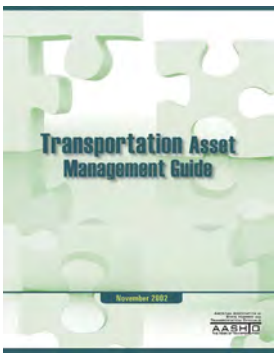


AASHTO TRANSPORTATION ASSET MANAGEMENT GUIDE: A FOCUS ON IMPLEMENTATION, 2ND EDITION

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. The guide is divided into two parts: Part One focuses on leadership and goal and objective setting; Part Two is more technically orientated. **2020. 324 pp.**

PDF DOWNLOAD Code: TAMGFI-2-UL | List Price: $178 | Member Price: $132
5-USER PDF DOWNLOAD Code: TAMGFI-2-IP5 | List Price: $757 | Member Price: $561
10-USER PDF DOWNLOAD Code: TAMGFI-2-IP10 | List Price: $1,337 | Member Price: $990

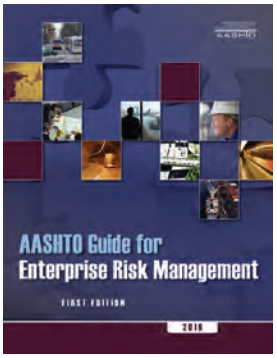


TRANSPORTATION ASSET MANAGEMENT GUIDE, VOLUME 1

Item Code: TAMG-1

State transportation officials at all levels face the task of managing a wide range of assets to meet public, agency, and legislative expectations. This study interprets transportation asset management as a strategic approach to managing both physical transportation infrastructure and other types of assets. In this context, transportation asset management promotes more effective resource allocation and utilization, based upon quality information. **2002. 146 pp.**

PDF DOWNLOAD Code: TAMG-1-OL | This is a FREE Publication.

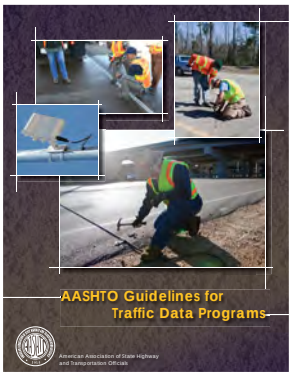


AASHTO GUIDE FOR ENTERPRISE RISK MANAGEMENT, 1ST EDITION

Item Code: ERM-1

This guide provides state departments of transportation with a comprehensive framework to identify and manage risk, as well as establish and maintain an enterprise risk management program. It includes extensive summaries of how risk management is being applied nationally and internationally to typical transportation program areas. **2016. 226 pp.**

PDF DOWNLOAD Code: ERM-1-UL | List Price: $127 | Member Price: $94



AASHTO GUIDELINES FOR TRAFFIC DATA PROGRAMS, 2ND EDITION

Item Code: GTDP-2

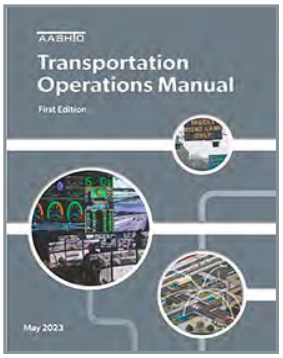
The objective of these guidelines is to improve the quality of the traffic information that supports decisions at all levels of the transportation profession. Traffic data programs are essential for state departments of transportation to accomplish their mission of ensuring safety and mobility to the traveling public. Traffic data supports capital investment programs and budgets, as well as effective design and maintenance programs. These guidelines are a reference for professional traffic monitoring and establish recommended national traffic monitoring practices that reflect current practice and advances made in previous years. **2009. 286 pp.**

PDF DOWNLOAD Code: GTDP-2-UL | List Price: $89 | Member Price: $66

OPERATIONS

TRANSPORTATION OPERATIONS MANUAL, 1ST EDITION

Item Code: TOM-1

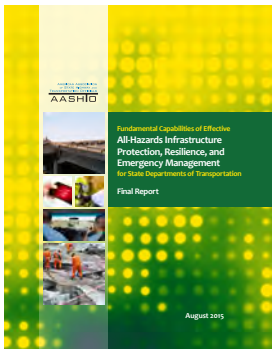


This manual was created as a resource for transportation agencies to develop and sustain the operational capabilities and strategies needed to preserve and optimize transportation system performance. It is designed to guide transportation leaders and practitioners as they define and support their transportation systems management and operations (TSMO) efforts. The manual incorporates all levels of TSMO—strategic, programmatic, and tactical—and expands current TSMO practice through a more cohesive approach that helps agencies and their partners gain familiarity with generally accepted operational improvements, as well as develop appropriate future applications. **2023. 600 pp.**

PDF DOWNLOAD Code: TOM-1-UL | List Price: $338 | Member Price: $250
5-USER PDF DOWNLOAD Code: TOM-1-IP5 | List Price: $1,434 | Member Price: $1,063
10-USER PDF DOWNLOAD Code: TOM-1-IP10 | List Price: $2,531 | Member Price: $1,875

FUNDAMENTAL CAPABILITIES OF EFFECTIVE ALL-HAZARDS INFRASTRUCTURE PROTECTION, RESILIENCE, AND EMERGENCY MANAGEMENT FOR STATE DEPARTMENTS OF TRANSPORTATION, 1ST EDITION

Item Code: HAZ-1

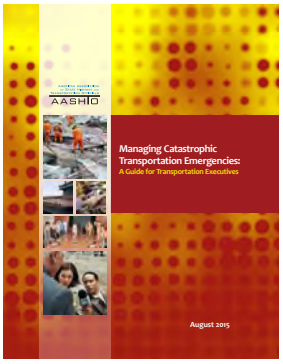


This report provides state DOT managers with an overview of an effective all-hazards security management program. **2015. 72 pp.**

PDF DOWNLOAD Code: HAZ-1-OL | This is a FREE publication.

MANAGING CATASTROPHIC TRANSPORTATION EMERGENCIES: A GUIDE FOR TRANSPORTATION EXECUTIVES, 1ST EDITION

Item Code: MCTE-1



This report includes information on the types of emergency events that impact transportation agencies, ways to manage these events, and an overview of the issues that should be considered in preparing for all-hazards emergency incidents. **2015. 65 pp.**

PDF DOWNLOAD Code: MCTE-1-OL | This is a FREE publication.

DATA



STANDARD SPECIFICATION FOR MATERIAL DELIVERY MANAGEMENT SYSTEMS, 1ST EDITION

Item Code: MDMS-1

This specification provides haulers, agencies, contractors, suppliers, and vendors with a standardized format for digitalized communication of data associated with the delivery of material to a contract, including source (e-tickets); hauler; loading and delivery events; testing and contract administration; and agency verification data. Within the format of the specification, individual agencies will select which data blocks are necessary for the e-ticket and associated material delivery management system (MDMS). The specification also provides a list of possible data blocks that an agency may want to require. **2023. 69 pp.**

PDF DOWNLOAD Code: MDMS-1-UL | List Price: $81 | Member Price: $60
5-USER PDF DOWNLOAD Code: MDMS-1-IP5 | List Price: $344 | Member Price: $255
10-USER PDF DOWNLOAD Code: MDMS-1-IP10 | List Price: $608 | Member Price: $450

COMMUTING IN AMERICA REPORTS

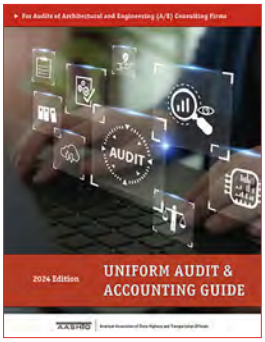
The Commuting in America series of reports is produced by the AASHTO Census Transportation Planning Products (CTPP) Program. Established in 2012 by AASHTO and the U.S. Department of Transportation, the CTPP Program compiles census data on demographic characteristics, home and work locations, and journey-to-work travel flows to assist with a variety of state, regional, and local transportation policy and planning efforts.

To view all Commuting in America reports, which are available to download free of charge, visit the AASHTO Store online at store.transportation.org, and search by the term "Commuting."

ADMINISTRATION & ECONOMICS

UNIFORM AUDIT AND ACCOUNTING GUIDE FOR AUDITS OF ARCHITECTURAL AND ENGINEERING (A/E) CONSULTING FIRMS, 2024 EDITION

Item Code: UAAG-5

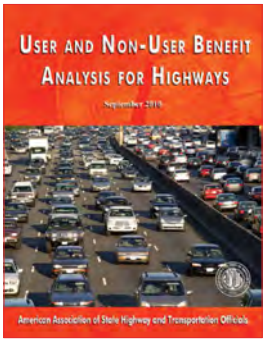


This guide is designed as a tool for state DOT auditors, Architectural/Engineering (A/E) firms, and public accounting firms that perform audits and attestations of A/E firms. The techniques presented focus on auditing and reporting procedures to be applied to costs that are incurred by A/E firms for engineering and design-related services performed on various federal, state, and local transportation projects. The guide provides general guidance only and is not meant to supersede Generally Accepted Government Auditing Standards (GAGAS), the Federal Acquisition Regulation (FAR), or any related laws or regulations. Because GAGAS and FAR Cost Principles change frequently, users should reference the applicable FAR version in conjunction with the use of this guide. **2024. 171 pp.**

PDF DOWNLOAD Code: UAAG-5-UL | List Price: $20 | Member Price: $0

USER AND NON-USER BENEFIT ANALYSIS FOR HIGHWAYS, 3RD EDITION

Item Code: UBA-3



This manual is a resource for transportation planners in state, regional, and local governments in analyzing the benefits and costs of highway projects and presenting the results to decision makers, the media, and the public. **2010. 488 pp.**

PDF DOWNLOAD UBA-3-UL | List Price: $127 | Member Price: $94

REPORTS

SURVEY OF STATE FUNDING FOR PUBLIC TRANSPORTATION—FINAL REPORT 2026, BASED ON FY 2024 DATA

2026 Release

Item Code: SSFP-20



This annual report provides a snapshot of state-by-state investment in public transportation from federal, state, and local funding sources. With detailed tables and charts, the report explains how different funding and tax mechanisms are used to support transit operations and capital projects; compares differences across modes and the latest ridership trends; and features a selection of innovative state funding initiatives and case studies that highlight the efforts by states to apply state funding to support transit programs beyond federal funding levels. All funding and ridership data have been updated to reflect FY 2024 survey results.

This year's report includes new information on commuter rail, new assessments of ridership trends by transit modes, and information on the continuing impact of the COVID-19 pandemic on state transit programs. **2026. 224 pp.**

PDF DOWNLOAD Code: SSFP-20-UL | List Price: $34 | Member Price: $24

2025 AASHTO SALARY SURVEY

2026 Release

Item Code: SS-25



The annual AASHTO Salary Survey provides job classifications and salary information on positions currently used by state DOTs. The 2025 AASHTO Salary Survey contains more than 90 titles among these job categories: Administration; Planning; Operations, Maintenance, and Safety; Project Development and Engineering; and a new job category, Motor Vehicles. Each title includes a brief description, as well as state-by-state information on the number of incumbents, salary ranges, base pay percentiles, and employee benefits.

The state DOT data collection methodology was updated to improve data quality and modernize the analyses. In addition to providing state-by-state average salaries for each job title, the report provides median salaries and salary quartiles. The survey is provided in two formats: a PDF download publication and an Excel data set, which allows users to sort the data and perform specialized data analysis. **2026. 140 pp.**

PDF DOWNLOAD Code: SS-25-OL | This is a FREE publication.

2025 AASHTO STATE DOT HR METRICS REPORT

2026 Release

Item Code: HRM-4



This report provides key HR metrics from state departments of transportation (DOTs) that responded to a survey developed by the AASHTO Committee on Human Resources. In the survey, state DOTs were asked to provide information on employee counts and tenure, turnover and retirement, telework, and diversity data, both for the entire agency and broken down by EEO position categories. The collection and reporting of this data is designed to create a uniform set of metrics to inform nationwide policies, processes, and best practices. This report updates data collected for the 2023 Annual AASHTO State DOT HR Metrics Report, published in 2024. **2026. 80 pp.**

PDF DOWNLOAD Code: HRM-4-OL | This is a FREE publication.



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