

Guide for the Development of BICYCLE FACILITIES

Fifth Edition

New AASHTO "Bicycle Guide" Now Available!

AASHTO has released the fifth edition of the *Guide for the Development of Bicycle Facilities* (the AASHTO "Bicycle Guide"), which supersedes the fourth edition, published in 2012.

Developed by the AASHTO Committee on Design and the Technical Committee on Non-Motorized Transportation, and based on extensive research, this new edition provides the preeminent engineering design guidance on the physical infrastructure needed to support bicycling.

The Bicycle Guide includes 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. Encouraging a flexible approach to design bikeways, the guide emphasizes 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.

Fully Updated!

The fifth edition of the Bicycle Guide has undergone significant revisions and updates since the 2012 fourth edition. The guide contains a total of 16 chapters, including **7 revised chapters** and **9 new chapters**.

7 Revised Chapters

- Chapter 1: Introduction
- Chapter 2: Bicyclist Operation and Safety
- Chapter 3: Bicycle Planning
- Chapter 6: Design of Shared Use Paths
- Chapter 9: Design of Shared Lanes and Bike Lanes
- Chapter 15: Maintenance and Operations
- Chapter 16: Bicycle Parking, Bike Share Siting, and End-of-Trip Facilities

9 New Chapters

- Chapter 4: Guidance for Choosing a Bikeway Type
- Chapter 5: Elements of Design
- Chapter 7: Design of Separated Bike Lanes and Side Paths
- Chapter 8: Bicycle Boulevard Planning and Design
- Chapter 10: Traffic Signals and Pedestrian Hybrid Beacons
- Chapter 11: Bicycle Facility Design at Interchanges, Alternative Intersections, and Roundabouts
- Chapter 12: Rural Area Bikeways and Roadways
- Chapter 13: Structures
- Chapter 14: Wayfinding Systems for Bicyclists

GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, 5TH EDITION

CHAPTER SUMMARIES

The 2024 Guide for the Development of Bicycle Facilities, 5th Edition, contains a total of 16 chapters, including seven (7) revised chapters and nine (9) new chapters.

The following table provides a summary of each chapter.

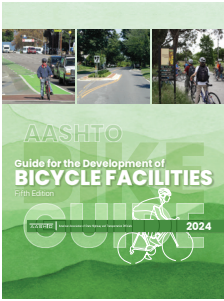
CHAPTER #	TITLE	NEW OR REVISED	DESCRIPTION
Chapter 1	Introduction	Revised	Chapter 1 provides an overview of the purpose, scope, and structure of the guide, as well as explains the range of potential values of design elements, as used throughout the guide.
Chapter 2	Bicyclist Operation and Safety	Revised	Chapter 2 provides the designer with a basic understanding of the types of bicycles that use bikeways and streets, their operational preferences, types of bicycles and their performance characteristics, and common safety challenges.
Chapter 3	Bicycle Planning	Revised	Chapter 3 describes how to apply principles of safety, comfort, connectivity, and equity to plan for low-stress bicycle networks. It also reviews the different types of plans that may contain elements related to bicycling and approaches to bicycle planning.
Chapter 4	Guidance for Choosing a Bikeway Type	New	Chapter 4 provides a framework for selecting a preferred bikeway type based on traffic characteristics in different land use contexts. It is based on FHWA's Bikeway Selection Guide, which was developed to assist transportation agencies in the development of connected, safe, and equitable bicycle networks that meet the needs of people of all ages and abilities.
Chapter 5	Elements of Design	New	Chapter 5 provides guidance for elements of design that are common to a wide range of bicycle facility types, including design speed, sight distance, operating width, geometric design treatments for street crossings, and common traffic control devices.
Chapter 6	Design of Shared Use Paths	Revised	Chapter 6 provides information on shared use paths, commonly referred to as trails, paths, or greenways), which are paths designed for and generally used by bicyclists, pedestrians, and other non-motorized users.
Chapter 7	Design of Separated Bike Lanes and Side Paths	New	Chapter 7 provides guidance on the design of separated bike lanes and side paths.
Chapter 8	Bicycle Boulevard Planning and Design	New	Chapter 8 provides an overview of key traffic calming and traffic management treatments common on bicycle boulevards.
Chapter 9	Design of Shared Lanes and Bike Lanes	Revised	Chapter 9 provides guidance for the design of shared lanes and bike lanes in all contexts, including at mid-block and intersection locations.

Click here to download a summary of each chapter in the Bicycle Guide.



Order the Guide for the Development of Bicycle Facilities, 5th Edition

AVAILABLE FORMATS



The 2024 AASHTO Bicycle Guide is available to purchase in three formats:

- **Paperback:** The 630-page paperback format includes 16 chapters, 256 full color figures and photos, and 50 tables.
- **PDF Download:** The PDF Download format, which includes all the information in the paperback edition, can be purchased either as a single-user license or as a multi-user license—5-user, 10-user, or 25-user—that offers increasingly deeper price discounts per user.
- **Paperback + Single-User PDF Download Combo:** The guide can also be purchased in a set that includes both a paperback copy and a single-user PDF Download copy.

To order a paperback or PDF Download copy of the AASHTO Bicycle Guide, visit the AASHTO Store online at: store.transportation.org and enter the publication's item code: **GBF-5**.

PRICING

Format	Item Code	List Price	Member Price
Paperback	GBF-5	\$548	\$406
PDF (single-user)	GBF-5-UL	\$392	\$290
Paperback + PDF (single-user)	GBF-5-PUL	\$744	\$551
PDF (5-user license)	GBF-5-IP5	\$1,664	\$1,233
PDF (10-user license)	GBF-5-IP10	\$2,936	\$2,175
PDF (25-user license)	GBF-5-IP25	\$6,851	\$5,075

CHECK OUT THESE RELATED PUBLICATIONS!

The AASHTO Bicycle Guide is designed for use with two AASHTO design publications, *A Policy on Geometric Design of Highways and Streets, 7th Edition*, (the "Green Book"), which contains current design research and practices for highway and street geometric design; and the *AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities, 2nd Edition*, the primary source for the design and operation of pedestrian facilities. The AASHTO Bicycle Guide is also intended to be used in conjunction with the *Manual on Uniform Traffic Control Devices for Streets and Highways, 11th Edition*

(the "MUTCD"), published by the Federal Highway Administration in 2023 and is approved as the national standard for designing, applying, and planning traffic control devices installed on any street, highway, or bike-way open to public travel. The information in the Bicycle Guide is compliant with the MUTCD, unless otherwise noted, specifically, in those instances where the jurisdiction implementing the bike facility must ensure that traffic control devices for the project comply with the MUTCD and where locally adopted state supplement takes precedence.

