

## Aashto Pedestrian Bridge Thebookee

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Pedestrian Bridges: Unique Analysis and Design**OVERVIEW ON AASHTO LRFD BRIDGE DESIGN** Moving People, Not Just Cars: New AASHTO Green Book Standards Pedestrian Bridge Design – Part 2 The Manual For Bridge Evaluation, 3rd Edition -- AASHTO Publications AASHTO Specification for Bridges by Dr. M. Umair Part 2 GREEN BOOK FOR GEOMETRIC DESIGN OF HIGHWAYS AND BRIDGES ( AASHTO ) COMPONENT MODELING IN SKETCHUP – Pedestrian Bridge Tutorial  
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Pedestrian bridges with cable supports or atypical structural systems are not specifically addressed. These Guide Specifications provide additional guidance on the design and construction of pedestrian bridges in supplement to that available in the AASHTO LRFD Bridge Design Specifications (AASHTO LRFD).~~

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The AASHTO LRFD Bridge Design Specifications are intended for use in the design, evaluation, and rehabilitation of bridges. The specifications employ the Load and Resistance Factor Design (LRFD) methodology, using factors developed from current statistical knowledge of loads and structural performance.~~

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In general, AASHTO Guide Specifications for the Design of Pedestrian Bridges is referenced most commonly on projects where state and/or federal funds are allocated to the bridge construction.~~

~~**Design Considerations for Pedestrian Truss Bridge Structures**  
Pedestrian bridges shall be designed for wind loads as specified in the AASHTO Signs, Articles 3.8 and 3.9. Unless otherwise directed by the Owner, th e Wind Importance Factor, Ir, shall be taken as 1.15. The loading shall be applied over the exposed area in front elevation including enclosures.~~

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Pedestrian railings shall be designed in accordance with AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges. Handrails shall be provided for all stairs and ramps with grades greater than 5%.~~

~~**SECTION 31. PEDESTRIAN STRUCTURES 31-1**  
Railing adjacent to pedestrian walkways must comply with the geometry and strength requirements of current AASHTO LRFD Bridge Design Specifications. 1 Openings between horizontal or vertical members on pedestrian railings must be small enough that a 6-inch sphere cannot pass through them in the lower 27 inches.~~

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guidance on the design and construction of pedestrian bridges in supplement to that available in the AASHTO LRFD Bridge Design Specifications (AASHTO LRFD). Only those issues requiring additional or different treatment due to the nature of pedestrian bridges and their loadings are addressed.~~

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The American Association of State Highway and Transportation Officials recently released the 9th edition of its LRFD Bridge Design Specifications guide, which employs the load and resistance factor design or LRFD methodology in the design, evaluation, and rehabilitation of bridges. AASHTO noted that this 9th edition replaces the 8th edition – published in 2017 – and includes revisions to almost all of its specification sections.~~

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