



Special Issue on Roadway and Bridge Design, Construction, and Maintenance

Call for Papers

Roadway and Bridge Design, Construction, and Maintenance examines the engineering principles and practical approaches involved in developing, constructing, operating, and preserving transportation infrastructure. Relevant topics range from highway alignment and pavement systems to bridge structures, foundation conditions, construction materials, load assessment, traffic safety, structural inspection, deterioration analysis, repair techniques, and infrastructure rehabilitation. Particular attention is given to innovative construction methods, performance-based design, intelligent monitoring systems, lifecycle management, cost-effective maintenance strategies, and environmentally responsible practices. The topic also considers the effects of traffic demand, extreme weather, aging infrastructure, and changing environmental conditions on the reliability, resilience, and long-term performance of roadway and bridge networks.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Roadway and Bridge Design, Construction, and Maintenance**. Potential topics include, but are not limited to:

- Roadway geometric design
- Highway geometric design
- Pavement engineering
- Bridge structural design
- Bridge construction technology
- Foundation engineering
- Traffic safety engineering
- Construction materials
- Structural load assessment
- Bridge inspection
- Pavement maintenance
- Infrastructure rehabilitation
- Structural health monitoring
- Intelligent transportation systems
- Lifecycle infrastructure management
- Sustainable construction practices
- Climate-resilient infrastructure



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Roadway and Bridge Design, Construction, and Maintenance**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	December 20th, 2026
Publication Date	February 2027

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at ojce@scirp.org.