

Bridge Construction Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Construction & Infrastructure (Real Estate & Construction)
> ****Source:**** https://www.mordorintelligence.com/industry-reports/bridge-construction-market
> ****Scraped Date:**** 2026-09-17

Executive Market Summary

Market Metric	Details
Base Market Size	USD 128.06 billion
Projected Forecast (2031)	USD 128.06 billion
Growth Rate (CAGR)	6.14 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

! [Major players in Bridge Construction industry] (images/chart_2.png)

! [Bridge Construction Market Size] (images/chart_3.png)

! [Bridge Construction Market Share by Bridge Type, 2025] (images/chart_4.png)

! [Bridge Construction Market Share by Application, 2025] (images/chart_5.png)

! [Bridge Construction Market Growth Rate by Region] (images/chart_6.png)

! [Bridge Construction Market Concentration] (images/chart_7.png)

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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market OverviewStudy Period | 2020 - 2031 |
Market Size (2026) | USD 128.06 Billion |
Market Size (2031) | USD 172.39 Billion |
Growth Rate (2026 - 2031) | 6.14 % |
Fastest Growing Market | Middle East and Africa |
Largest Market | Asia Pacific |
Market Concentration | Medium |
Major Players*Disclaimer: Major Players sorted in no particular order

Market Overview

Bridge Construction Market Analysis by Mordor Intelligence
 Bridge Construction market size in 2026 is estimated at USD 128.06 billion, growing from 2025 value of USD 120.65 billion with 2031 projections showing USD 172.39 billion, growing at 6.14% CAGR over 2026-2031. Accelerating infrastructure outlays, such as the United States Infrastructure Investment and Jobs Act (IIJA) and China's Five-Year Plan, anchor multi-year demand visibility. Rapid uptake of prefabrication and modular assembly compresses delivery schedules by 20-40%, enabling contractors to bid more projects with tighter timelines. Contractors increasingly differentiate through technology, digital twins, AI-enabled logistics, and automated quality control, rather than lowest cost alone. Meanwhile, public agencies embed climate resilience and low-carbon specifications into procurement, nudging material choices toward ultra-high-performance concrete (UHPC) and fiber-reinforced polymers. Regional growth gaps widen: Asia-Pacific sustains the largest project pipeline, while the Middle East & Africa emerges as the fastest-expanding arena due to cross-border connectivity programs.

Key Report Takeaways* By bridge type, beam bridges led with 42.98% of the bridge construction market share in 2025; cable-stayed designs are projected to advance at a 7.62% CAGR to 2031.

* By material, steel accounted for a 52.90% share of the bridge construction market size in 2025, while composites recorded the highest projected CAGR at 8.12% through 2031.

* By application, road and highway structures commanded 68.21% of the bridge construction market share in 2025, and railway bridges are set to grow at a 6.55% CAGR between 2026-2031.

* By geography, Asia-Pacific held 46.12% share of the bridge construction market in 2025; the Middle East & Africa is forecast to expand at a 7.63% CAGR through 2031.

Key Market Trends

Market Trends and Insights
 Drivers Impact Analysis of Bridge Construction Market*
 Drivers | (~) % Impact on CAGR Forecast | Geographic Relevance | Impact Timeline

Mega-infrastructure spending plans (2025-2030) | +1.8% | North America, Asia-Pacific, Middle East & Africa | Medium term (2-4 years) |

Preference for accelerated bridge construction (ABC) | +1.2% | North America, Europe, and spreading to Asia-Pacific | Short term (≤ 2 years) |

Shift to low-carbon and recycled materials | +0.9% | Europe, North America, global roll-out | Long term (≥ 4 years) |

Resilience upgrades for climate-exposed bridges | +0.7% | Global coastal and seismic regions | Medium term (2-4 years) |

Smart-sensor structural-health-monitoring mandates | +0.6% | Advanced economies first | Long term (≥ 4 years) |

Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

The bridge construction market is moderately fragmented yet trending toward consolidation. The top five players capture under 35% of global revenue, as regional contractors retain stronghold positions. Manhattan Road & Bridge's purchase of Jensen Construction demonstrates capability-focused M&A, particularly for marine foundations and ABC expertise.

Technology adoption distinguishes leaders: companies integrating IoT sensors, AI

-driven scheduling, and off-site fabrication consistently outperform schedule baselines. FHWA's ABC endorsement in 47 states formally embeds technology readiness into bid scoring, steering market share toward digital pioneers.

Private equity's 40% participation in 2024 AEC transactions injects capital for equipment automation, modular yard expansion, and international joint ventures. Niche disruptors, sensor manufacturers, and software developers partner with EPCs to commercialize predictive-maintenance service models, diversifying revenue streams beyond one-time construction fees.

Bridge Construction Industry Leaders* ACS Group

- * AECOM
- * Balfour Beatty
- * China Communications Construction Co. (CCCC)
- * China Railway Group

* *Disclaimer: Major Players sorted in no particular order
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Scope Methodology P Space

For this methodology, the market covers spending tied to planning, engineering, and building bridge structures, including new builds and major replacement work, where the output is a bridge asset delivered under public or private contracts.

Scope exclusions: Minor routine maintenance, standalone approach-road paving, and non-bridge civil works that do not result in a bridge structure are excluded.

Segmentation Container

- * By Bridge Type* Beam Bridge
- * Truss Bridge
- * Arch Bridge
- * Suspension Bridge
- * Cable-Stayed Bridge
- * Others
- * By Material* Steel
- * Prestressed Concrete
- * Composite Material
- * Advanced Materials (FRP, UHPC)
- * By Application* Road & Highway
- * Railway
- * Others(Pedestrian & Cycle, Pipeline & Utility, etc.)
- * By Geography* North America* United States
- * Canada
- * Mexico
- * South America* Brazil
- * Argentina
- * Chile
- * Rest of South America
- * Europe* Germany
- * United Kingdom
- * France

- * Italy
- * Spain
- * Rest of Europe
- * Asia-Pacific* China
- * India
- * Japan
- * South Korea
- * Australia
- * Rest of Asia-Pacific
- * Middle East & Africa* United Arab Emirates
- * Saudi Arabia
- * South Africa
- * Nigeria
- * Rest of Middle East and Africa

Frequently Asked Questions

What is the current global value of the bridge construction market?

The bridge construction market size is USD 128.06 billion in 2026.

How fast is bridge construction spending expected to grow?

Global revenue is forecast to rise at a 6.14% CAGR from 2026 to 2031.

Which region contributes the largest share of new bridge projects?

Asia-Pacific accounts for 46.12% of 2025 spending thanks to Chinese and Indian programs.

Which bridge type is expanding the quickest?

Cable-stayed structures lead with a projected 7.62% CAGR through 2031.