

Highways Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Road Construction And Maintenance, Highway Construction And Maintenance), By Component (Hardware, Software, Service), By Product Technology

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Abstracts

The Highways Market is valued at USD 386.7 billion in 2025 and is projected to grow at a CAGR of 4.4% to reach USD 567.8 billion by 2034. The global highways market represents a cornerstone of national infrastructure, enabling the smooth movement of people and goods while supporting economic growth. As governments prioritize urbanization, connectivity, and regional development, the demand for highway construction, expansion, and modernization has grown significantly. The market includes a wide range of activities such as planning, construction, maintenance, and technological upgrades of highway systems. Public-private partnerships (PPPs) have become vital to financing large-scale projects, particularly in emerging economies where infrastructure gaps remain prominent. Additionally, environmental considerations and the integration of smart technologies—such as intelligent traffic management systems and adaptive lighting—are transforming the design and operation of modern highways. With transportation needs rising and digital transformation penetrating infrastructure, the highways market is increasingly becoming a fusion of engineering, sustainability, and technology. The highways market experienced a surge in investments driven by economic recovery efforts and national infrastructure plans. Major economies like the U.S., China, and India accelerated road development projects to stimulate employment and economic momentum. Notable developments included highway corridor expansions, integration of green technologies such as solar-powered lighting, and trials of autonomous vehicle-friendly lanes. Many governments focused on climate-resilient construction methods to reduce the impact of extreme weather events on highway durability. Additionally, digital twin technologies began gaining traction in project

planning and lifecycle management, enabling real-time monitoring and predictive maintenance. The year also witnessed regulatory reforms in procurement processes to streamline project execution and attract more private investments. As a result, global stakeholders—from construction companies to smart mobility solution providers—saw increased opportunities to innovate and scale their offerings. The highways market is expected to transition further into a tech-driven and sustainability-focused era. Advanced materials such as self-healing concrete and recycled composites are anticipated to gain more usage in highway construction. Smart highways equipped with real-time traffic data analytics, connected vehicle infrastructure, and AI-based traffic control will become more common, especially in urban corridors. Governments are projected to increase budget allocations for climate-adaptive infrastructure and prioritize inter-city and cross-border connectivity under regional cooperation frameworks. Furthermore, autonomous vehicle readiness and EV-charging-integrated highways will be critical design considerations. In emerging markets, highway connectivity will be a key pillar of economic zones and logistic hubs, aiding in trade facilitation and rural development. Overall, the market is poised for robust growth supported by technological evolution, policy support, and increasing global infrastructure demand.

Key Insights Highways Market

Integration of smart traffic management systems, including sensors and AI, is redefining highway efficiency and safety through real-time monitoring, congestion mitigation, and automated incident response.

Widespread adoption of green construction practices, such as the use of recycled asphalt and solar-powered lighting, is gaining momentum as sustainability becomes central to highway planning.

Increased deployment of digital twin technologies enables infrastructure planners to simulate performance, assess structural health, and manage highway lifecycles with higher precision.

Highways are increasingly being designed with EV infrastructure, including charging lanes and stations, to support growing electric vehicle adoption and reduce transportation emissions.

Modular and prefabricated construction methods are being utilized to reduce construction time, labor costs, and disruptions, especially in urban highway

projects and expansions.

Rising global population and urban migration are intensifying the need for expanded and more efficient highway networks to support mobility and economic activity.

Government initiatives and infrastructure stimulus packages are directing substantial investments toward highway construction and modernization across developed and developing nations.

Technological advancements in construction equipment, materials, and traffic systems are improving project execution speed, quality, and operational efficiency.

Growth in logistics and e-commerce sectors has increased the demand for robust highway infrastructure to ensure smooth and timely delivery of goods across regions.

Land acquisition and regulatory bottlenecks continue to delay project timelines and increase costs, especially in densely populated or environmentally sensitive regions.

Highways Market Segmentation

By Type

Road Construction And Maintenance

Highway Construction And Maintenance

By Component

Hardware

Software

Service

By Product Technology

Smart Traffic Management Systems

Smart Transport Management Systems

Monitoring Systems

Communication System

Key Companies Analysed

Granite Construction Inc.

Fujian Expressway Development Co. Ltd.

Hunan Communication & Water Conservancy Group Ltd.

Sichuan Railway Investment Guangrun Logistics Co. Ltd.

IBI Group

Construction Partners Inc.

Tutor Perini Corporation

Stanley Road Construction

Muscat Road Construction & Civil Works LLC

PNC Infratech Limited

New Road Construction Management

Kokosing Construction Company

Sanders Brothers Construction Company Inc.

Rogers Group Inc.

R.S. Audley Inc.

Kiewit Corporation

The Lane Construction Corporation

Skanska USA

Fluor Corporation

AECOM Inc.

Jacobs Engineering Group Inc.

Turner Construction Company

Clark Construction Group LLC

PCL Construction Enterprises Inc.

McCarthy Building Companies Inc.

The Whiting-Turner Contracting Company

Swinerton Inc.

Mortenson Constructions

DPR Construction

Gilbane Building Company

JE Dunn Construction

Webcor Builders

Hathaway Dinwiddie Construction Company

Sundt Construction Inc.

Ryan Companies US Inc.

The Boldt Company

Gray Construction Services Inc.

Highways Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Highways Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Highways market data and outlook to 2034

United States

Canada

Mexico

Europe — Highways market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Highways market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Highways market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Highways market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Highways value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Highways industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Highways Market Report

Global Highways market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Highways trade, costs, and supply chains

Highways market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Highways market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Highways market trends, drivers, restraints, and

opportunities

Porter's Five Forces analysis, technological developments, and Highways supply chain analysis

Highways trade analysis, Highways market price analysis, and Highways supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Highways market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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