

Addition of fiberglass cable bridges in Mexico



Overview

The projects involve the construction of bridges and interchanges with a total length of 15.8 km as part of the National Highway Infrastructure Program to be implemented between 2025 and 2030. According to the Mexican Institute of Transport, the length of the National Road Network (RNC) in Mexico at 2025 is 989,287 km (including paved roads, link roads, and paths), comprised of the following: Vehicle Traffic on Toll Highways and Bridges | Average Daily Traffic Volume (ADTV) The total. The Baluarte Bridge held the record for the highest cable-stayed bridge in the world when it was inaugurated in 2012 with a maximum drop from the surface of the deck to the bottom of the Baluarte River of 403 metres (1,322 ft), according to the Guinness World Records, however, some. In an effort to strengthen Mexico's road network, logistics competitiveness, and boost mobility and regional development in the medium and long term, the federal government is planning to allocate MX\$12.5 billion (US\$715 million) in the construction and reconstruction of 19 bridges and highway. Various providers have been particularly active in cable deployments at the start of 2025, including a new route from Cirion between Mexico City and the data centre hub of Quer'taro and an additional 2,500km route from C3ntro between Arizona and Quer'taro announced in May 2025. This cross-border. The description of the works is based on official announcements, the Compras MX website, the Investment Unit's records, and the Semarnat Gazette. Leave your e-mail to receive updates on this Project. 2 Billion by 2034, exhibiting a growth rate (CAGR) of 4.

Article Content

Jan 31, 2026

Fiber reinforced polymer composites in bridge industry

The paper is organized into commonly used FRP bridge components, and different materials/manufacturing techniques used for repairing and

Dec 10, 2025

Mexico leading the way in fiber-optic connections

Mexico has a larger percentage of fiber-optic connections than the UK, Germany, France, the United States, and Holland . As of 2017, 18.3% of all

Feb 26, 2026

Xtera Announces Supply Contract In-Force for the New GigNet-1

GigNet-1 will be the first new fiber optic cable in over 20 years specifically designed to meet exploding demand for broadband capacity in the Mexican Caribbean Cancún, Mexico Supply

May 07, 2026

Performance Investigation of Carbon Fiber Reinforced

The innovative use of Carbon Fiber Reinforced Polymer (CFRP) materials in cable-stayed bridge construction presents a promising alternative to

Feb 24, 2026

0975 Bridges and viaducts of the National Highway Infrastructure ...

One of its two bridges will open to traffic in March, and final work on the second will begin in February. With an investment exceeding 900 million pesos, the project is expected to be completed next June.

Jul 13, 2025

List of bridges in Mexico

The Baluarte Bridge held the record for the highest cable-stayed bridge in the world when it was inaugurated in 2012 with a maximum drop from the surface of the deck to the bottom of the Baluarte River of 403 metres (1,322 ft), according to the Guinness World Records, however, some diagrams of the bridge show a height of 390 metres (1,280 ft) between the axis of the central span and the river, the bridge having a regular slope of 5%. Its clearance is largely higher than that of the previous record-hol

Jan 23, 2026

Highways and Bridges - Proyectos México

In terms of infrastructure, Mexico has a defined strategy that offers investors medium and long-term visibility regarding the development of projects, through a series of plans and programs of national

Aug 29, 2025

Terrestrial and subsea fibre in Mexico

Various providers have been particularly active in cable deployments at the start of 2025, including a new route from Cirion between Mexico City and the data centre hub of Querétaro and an additional

Sep 09, 2025

Mexico to Invest MX\$12.5 Billion in Bridges, Roads in

Through this initiative, over 45,465km of roads have been maintained through routine conservation (pothole repairs), generating 3,112 jobs. In addition,

Sep 12, 2025

Analysis of the Response Under Live Loads of Two New Cable Stayed ...

References (11) Abstract In this paper we study the response, under live loads, of two new cable stayed bridges (Baluarte and Carrizo), recently open to traffic.

Sep 07, 2025

Mezcala Bridge

Mezcala Bridge About The Bridge At the time of its opening in 1993, the Mezcala bridge was the highest bridge in Mexico and the second highest cable stayed

Mar 11, 2026

FRP bridges | Build durable bridges with fibreglass

Furthermore, fiberglass bridges have long durability and are maintenance-free, factors that make fiberglass composite bridges a

Apr 01, 2026

bridges-production.s3.amazonaws

Installation of fiber optic cable in existing conduit on the Ysleta-Zaragoza Bridge will require agreements with telecommunication companies and may require an international agreement.

Jun 19, 2026

Viva México: "¡Hola!" to infrastructure | Aberdeen

Upgrading the cross-border infrastructure, including bridges and customs facilities, is a priority. Five border bridges link Juárez to the US. There is a direct connection to El Paso and the

Jan 26, 2026

Terrestrial and subsea fibre in Mexico

This cross-border route will serve 29 additional intermediate landing points in various cities in the US and Mexico. The dark fibre market has also been active, with a new dark fibre venture launched in

Jul 12, 2025

Use of fiber reinforced concrete in bridges Metrorrey Line 2 case study

2. Bridge description, modeling, and design considerations The bridge considered for this case study is the Metrorrey Line 2 extension viaduct, part of the urban rail system of Monterrey (Nuevo León,

Mar 16, 2026

Mexico's First Cable-Stayed Railway | ULMA Construction

In Section V of the project, the works posed considerable technical challenges due to the presence of karstic soil. To overcome these geological conditions, 42.1 kilometres of elevated track

Jul 28, 2025

Monitoring two cable-stayed bridges during load tests with fiber optics

In this paper, a monitoring system based on optical fiber sensors is presented, and its implementation for the load tests of two special cable-stayed bridges built in Mexico is described as

Sep 13, 2025

Carbon Fibre Reinforced Polymers in Bridge Engineering

In addition, other challenges that impede widespread application of CFRP cable structures are briefly introduced.

Dec 14, 2025

Hengshen carbon fibre supports one of the world's

The first main cable strand of the Huajiang Canyon Bridge, one of the world's highest bridges under construction located in China's Guizhou province,

Jun 06, 2026

Fiber-Reinforced Polymer Composites in the

In this review, we discuss the basic issues related to the use of FRP (fiber-reinforced polymer) composites in bridge construction. This modern

Oct 31, 2025

Mexico Bridge Construction Market Size & Forecast to

The Mexico bridge construction market size reached USD 15.0 Billion in 2025. Looking forward, IMARC Group expects the market to reach USD 23.2 Billion by

Feb 03, 2026

Mexico City's CABLEBUS Connects Communities and Captivates Tourists

In 2021, Mexico City unveiled its innovative Cablebús system, a network of gondola lifts intended to revolutionize urban

Jan 17, 2026

Fiber Optic Network Expands to Texas-Mexico Border

ATLANTA - May 15, 2017 - FiberLight, LLC, an industry leader in providing high performance fiber optic network solutions, today announces it has begun providing service along its previously introduced

Mar 05, 2026

(PDF) Use of fiber reinforced concrete in bridges - Metrorrey Line 2 ...

An assessment concerning the structural applicability and performance of fiber reinforced concrete (FRC) is presented for different bridge elements and within a design framework. FRC as the main

Jul 01, 2025

Mexico's First Cable-Stayed Railway | ULMA Construction

To overcome these geological conditions, 42.1 kilometres of elevated track and 25.6 kilometres over embankment were designed. One of the section's most notable structures is a 266

Jan 22, 2026

On the design and optimization of hybrid carbon fiber reinforced ...

This paper addresses the effective use of carbon fiber reinforced polymeric (CFRP) materials in the cable system. As the span length of cable-stayed bridges increases, several

Dec 22, 2025

Mexico Fiberglass Optic Cable Assemblies Market Size, Scope

The Mexico Fiberglass Optic Cable Assemblies Market is growing differently across regions. North America and Europe are mature markets with strong innovation and stable regulations.

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