

Millau Viaduct (1)





Introduction

The Millau Viaduct ([French](#): Viaduc de Millau, IPA: [\[vja.dyk də mi.jo\]](#)) is a multispan [cable-stayed bridge](#) completed in 2004 across the [gorge valley](#) of the [Tarn](#) near (west of) [Millau](#) in the [Aveyron](#) department in the [Occitanie](#) Region, in [Southern France](#). The design team was led by engineer [Michel Virlogeux](#) and [English](#) architect [Norman Foster](#).[\[2\]\[3\]\[4\]](#) As of September 2020, it is the [tallest bridge in the world](#), having a structural height of 336.4 metres (1,104 ft).[\[1\]](#)

The Millau Viaduct is part of the [A75\[4\]–A71 autoroute](#) axis from [Paris](#) to [Béziers](#) and [Montpellier](#). The cost of construction was approximately [€ 394 million](#) ([\\$424 million](#)).[\[2\]](#) It was built over three years, formally inaugurated on 14 December 2004,[\[1\]\[2\]](#) and opened to traffic two days later on 16 December.[\[5\]](#) The bridge has been consistently ranked as one of the greatest engineering achievements of modern times, and received the 2006 [Outstanding Structure Award](#) from the [International Association for Bridge and Structural Engineering](#).[\[6\]\[7\]\[8\]\[9\]](#)

History

In the 1980s, high levels of [road traffic](#) near [Millau](#) in the [Tarn](#) valley were causing congestion, especially in the summer due to holiday traffic on the route from [Paris](#) to [Spain](#). A method of bypassing Millau had long been considered, not only to ease the flow and reduce journey times for long-distance traffic, but also to improve the quality of access to Millau for its local businesses and residents. One of the solutions considered was the construction of a road [bridge](#) to span river and gorge valley.^[10] The first plans for a bridge were discussed in 1987 by [CETE](#), and by October 1991 the decision was made to build a high crossing of the [Tarn](#) by a structure of around 2,500 metres (8,200 ft) in length. During 1993–1994, the [government](#) consulted with seven [architects](#) and eight [structural engineers](#). During 1995–1996, a second definition study was made by five associated architect groups and structural engineers. In January 1995, the government issued a declaration of public interest to solicit design approaches for a competition.^[11]

In July 1996 the jury decided in favour of a [cable-stayed](#) design with multiple spans, as proposed by the [SODETEG](#) consortium led by [Michel Virlogeux](#), [Norman Foster](#) and [Arcadis](#).^{[12][13]} The decision to proceed by grant of contract was made in May 1998; then in June 2000, the contest for the [construction contract](#) was launched, open to four consortia. In March 2001, [Eiffage](#) established the subsidiary Compagnie Eiffage du Viaduc de Millau (CEVM), and was declared winner of the contest and awarded the prime contract in August.^{[14][1]}

Location

The Millau Viaduct is on the territory of the [communes](#) of [Millau](#) and [Creissels](#), France, in the [département](#) of [Aveyron](#). Before the bridge was constructed, traffic had to descend into the [Tarn](#) valley and pass along the [route nationale N9](#) near the town of Millau, causing much traffic congestion at the beginning and end of the July and August [holiday season](#). The bridge now traverses the Tarn valley above its lowest point, linking two [limestone plateaus](#), the Causse du [Larzac](#) and the [Causse Rouge](#) ^[fr], and is inside the perimeter of the [Grands Causses](#) regional natural park.^[citation needed]

The Millau Viaduct forms the last link of the existing [A75 autoroute](#)^[4] (known as "la Méridienne"), from [Clermont-Ferrand](#) to [Béziers](#). The A75, with the A10 and A71, provides a continuous high-speed route south from [Paris](#) through [Clermont-Ferrand](#) to the [Languedoc](#) region, thence to [Spain](#), considerably reducing the cost and time of vehicle traffic travelling along this route. Many tourists heading to southern [France](#) and [Spain](#) follow this route because it is direct and without [tolls](#) for the 340 kilometres (210 mi) between Clermont-Ferrand and Béziers, except for the bridge.^[citation needed]

The [Eiffage](#) group, which constructed the Viaduct also operates it, under a government contract, which allows the company to collect tolls for up to 75 years.^{[2][4]} As of 2018, the [toll bridge](#) costs €8.30 for light automobiles (€10.40 during the peak season of 15 June to 15 September).^[25]