Cable bridge in Kuwait



Overview

The bridge, which bears the rather complicated name of a sheikh, has the official name “Sheikh Jaber Al-Ahmad Al-Sabah Causeway”.

Key Takeaways

The Sheikh Jaber Al-Ahmad Al-Sabah Causeway features a landmark asymmetric cable-stayed bridge connecting Kuwait City with Subiyah, spanning the Bay of Kuwait.

Overview

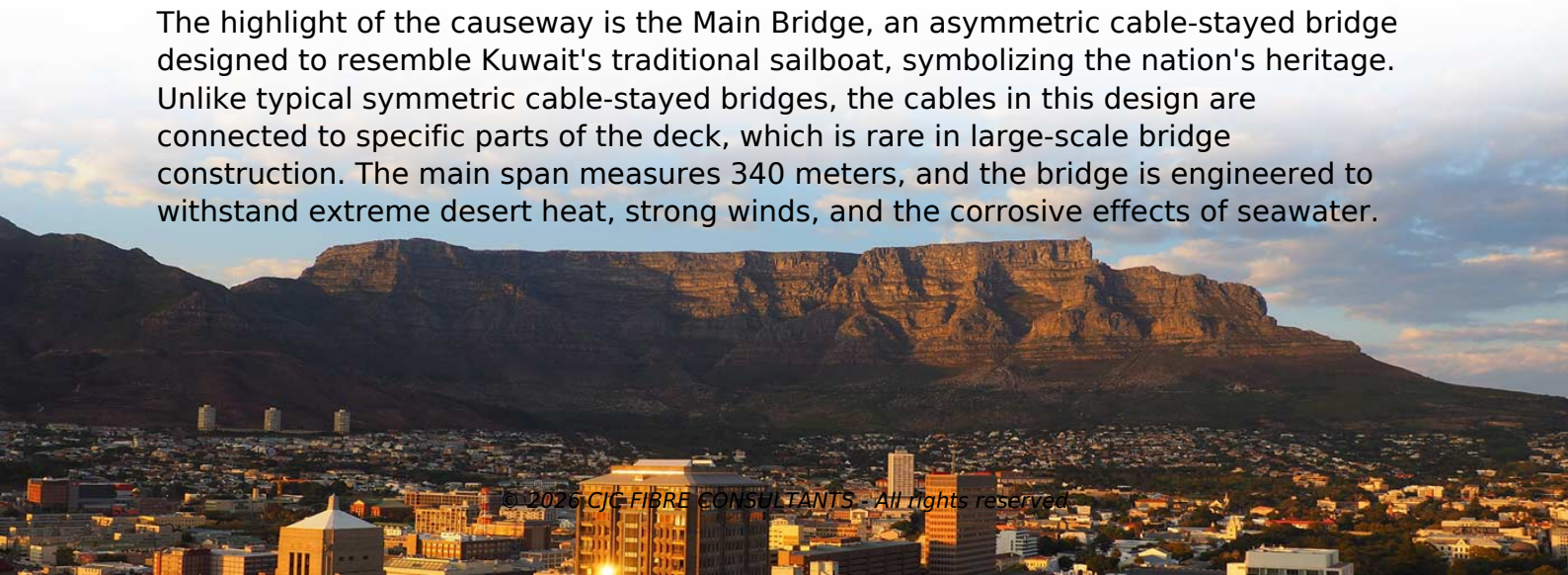
The Sheikh Jaber Al-

Ahmad Al-Sabah Causeway is a major infrastructure project in Kuwait, completed in 2019, that spans approximately 48. 5 kilometers across Kuwait Bay, making it one of the longest road bridges in the world. It consists of two main links: the Main Link, connecting Kuwait City to northern areas including Subiyah and Bubiyan Island, and the Doha Link, connecting Kuwait City to the Doha district.

Cable-

Stayed Bridge Features

The highlight of the causeway is the Main Bridge, an asymmetric cable-stayed bridge designed to resemble Kuwait's traditional sailboat, symbolizing the nation's heritage. Unlike typical symmetric cable-stayed bridges, the cables in this design are connected to specific parts of the deck, which is rare in large-scale bridge construction. The main span measures 340 meters, and the bridge is engineered to withstand extreme desert heat, strong winds, and the corrosive effects of seawater.



© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Technical and Structural Details

The bridge accommodates six lanes of traffic (eight including emergency lanes) with a total width of 30. 6 meters. The Main Link features twin pre-stressed concrete box girders for most spans, with lengths of 40 m and 60 m, while the cable-stayed section forms the central landmark.

Construction involved the creation of two artificial islands (Bay Island North and Bay Island South), each covering around 330,000 m², to support the bridge structure. Advanced engineering techniques, including precasting of prestressed spans and the use of specialized tower cranes, were employed to ensure stability and precision during construction.

Significance

The causeway significantly reduces travel time between Kuwait City and northern regions from 90 minutes to under 30 minutes, supporting Kuwait Vision 2035 and the development of Silk City. It also alleviates traffic congestion, integrates northern areas with central Kuwait, and serves as a strategic transport route for economic and urban development.

Conclusion

The Sheikh Jaber Al-

Ahmad Al-Sabah Causeway's asymmetric cable-stayed bridge is not only a functional transport link but also an iconic architectural landmark in Kuwait, combining engineering innovation with cultural symbolism. It represents one of the most ambitious and technically challenging infrastructure projects in the Middle East.

Article Content

Sheikh Jaber Al-Ahmad Al-Sabah Causeway Project

One of the largest and most ambitious transport infrastructure projects in the world, the Sheikh Jaber Al-Ahmad Al-Sabah Causeway spans the Bay of Kuwait in two directions and connects Kuwait City with

Sheikh Jaber Al-Ahmad Al-Sabah Causeway, Kuwait

The highlight of the project is the Main Bridge. Positioned at the center of the sea bridge, the 340m long main bridge was constructed as an asymmetric cable-stayed bridge, designed to resemble Kuwait''s

Sheikh Jaber Al-Ahmad AlSabah Causeway

The bridge, which bears the rather complicated name of a sheikh, has the official name “Sheikh Jaber Al-Ahmad Al-Sabah Causeway”. This cable-stayed bridge is

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Sheikh Jaber Al-Ahmad Al-Sabah Causeway in Kuwait

VSL has taken part in the construction of one of the largest maritime road connections in the world. It has carried out the design and installation of stay cables and post-tensioning for the main bridge of

Sheikh Jaber Al-Ahmad Al-Sabah Causeway

The project comprises of two links spanning across the Kuwait Bay. The 36-km Main Link or the Subiyah Link connects the capital, Kuwait City with the northern Subiyah area and it is one of the longest

Jaber Al Sabah Causeway

A strong element of the causeway is the main cable-stayed bridge, designed by Dissing+Weitling''s bridge team. The initial design was carried through the project phases - featuring a 200-meter span

Sheikh Jaber Al-Ahmad Al-Sabah causeway – Kuwait

This unique bridge transforms road travel for Kuwaitis, with a crossing of the bay reduced from 70 minutes to just 20 minutes, and will

Kuwait''s Sheikh Jaber al-Ahmad Al-Sabah Causeway

The main cable-stayed bridge has a main span of 177m that creates a navigation channel 120m wide and 23m high to enable access to Kuwait''s

Sheikh Jaber Al-Ahmad Al-Sabah Causeway

The Sheikh Jaber Al-Ahmad Al-Sabah Causeway incorporates a hybrid structural system comprising extensive marine viaducts, an asymmetric cable-stayed main bridge, low-level bridges,

Kuwait: Home to the World''s Longest Maritime Causeway

The Majestic Kuwait Towers The most iconic part of the causeway is a 340-metre cable-stayed bridge on Kuwait Bay, whose cables are set in a pylon

Full Load Test for the Sheikh Jaber Al-Ahmad Al-Sabah Causeway Bridge ...

The Sheikh Jaber Al-Ahmad Al-Sabah Causeway consists of an asymmetric cable-stayed bridge (340 m) and a prestressed concrete (PSC) box girder bridge (35.80 km) linking Kuwait City

Sheikh Jaber al-Ahmad al-Sabah Causeway | Most Influential Projects

Sponsored by the Kuwait Ministry of Public Works and designed by French engineering group Systra and U.K. engineering firm Tony Gee and Partners, the world''s largest maritime highway includes

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Latest Videos | CNN

Maine Democratic Senate nominee Graham Platner said in a video statement Wednesday he was suspending his campaign, clearing the way for Democrats to select a new candidate to take on Republican ...

World''s Longest Bridge Nears Completion in Kuwait

The world''s longest bridge by Hyundai E&C and Combined Group Contracting is nearing completion in Kuwait.

World''s longest bridge is nearing completion in Kuwait

The new bridge will reduce the distance between Kuwait City and Subiyah area from 104 km to 36 km; thus, reducing journey time from 70 minutes to less than 20 minutes. Its main signature

48.5km bridge in Kuwait opens

A cable-stayed bridge in the main section creates a navigation channel 120m wide and 23m high to enable access to Kuwait''s Doha port. This opening in the causeway is supported by a

Dar Al-Handasah

The Sheikh Jaber Al-Ahmad Al-Sabah Causeway (SJSC) is a mega bridge project that spans the Bay of Kuwait in two directions and comprises two projects: Main Link, which connects Kuwait City with the

Kuwait''s Longest Bridge Already Open to the Public

Out of the best efforts combined by Korean company Hyundai E&C and local consortium, Combined Group Contracting Company comes the longest bridge in the world found in Kuwait. The

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Contact Us

Continue your research online:

Website: https://cjcconsultants.co.za
Technical inquiry: https://cjcconsultants.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved