

Sandwich California's

# Sundial Bridge

Turtle Bay Exploration Park, Redding, California, USA

## Introduction

The Sundial Bridge spans the Redding River, connecting the city of Redding to the city of Yreka. The bridge is a unique blend of steel and concrete, designed by architect Santiago Calatrava. The bridge is a masterpiece of engineering and architecture, and it has become a landmark in the city of Redding. The bridge is a testament to the power of human ingenuity and the beauty of nature. The bridge is a masterpiece of engineering and architecture, and it has become a landmark in the city of Redding. The bridge is a testament to the power of human ingenuity and the beauty of nature.

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## The Beginning

The story behind the Sundial Bridge starts with a local entrepreneur, Jack McCann, and the Redding Redevelopment Agency. The agency wanted to build a new bridge across the Redding River, and Jack McCann was the only one who had the vision to build a bridge that would be a masterpiece of engineering and architecture. The bridge is a testament to the power of human ingenuity and the beauty of nature.

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## The Result

Mary Redding residents were eating dinner August 6, 2004 when the bridge passed place after a tense afternoon of hoisting and manoeuvring a huge steel chunk.

Marcosola walked over the bridge for the first time in May, after ironworkers had "You agonize over the cost increases," Marcosola said, "but I have to say, just to see whether in the final analysis it was worth it, that's for future generations to decide."

## The Facts

Ever try to balance on a bar stool wearing a 50kg backpack? That stunt describes the bridge's 20-story arch-backed pylon to the ground and pull the gently sloping deck from tipping backward. The cables also keep the deck floating above the

The pylons triangular shape funnels all of that weight and force up to 13 pylon's long, pointed nose.

Here, at a glance, are the details, engineering facts and a little trivia about

- Bridge**
  - 214m long
  - 7m wide
- Deck truss**
  - 363 metric tons of steel
  - the three steel tubes in the deck truss are 5cm
  - 181 metric tons of glass and granite
  - 2245 panels at 1 sq.m apiece enough for 721
- Deck**