

Millau Viaduct

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Description

- Timescale: Work started in October 2001 and was completed in December 2004
- Connects Paris and Béziers via A-75
- Materials: 85,000m³ of concrete, and 36,000tons of Steel
- Number of hours of work expected: 1 million
- Structural guarantee: 120 years

Public Private Partnership Details

- Cost: €400 million (~\$525 million)
- Owner: Compagnie du viaduct de Millau
- Contract duration: 78 years – 3 years for construction and 75 years of operations

Group Eiffage	Road partners	Institutional Partners	Tourism Partners
			
			
			
			
			



Benefits

- “High Solution”
- Less traffic congestion near Millau
- Increased tourism
- Economic boom

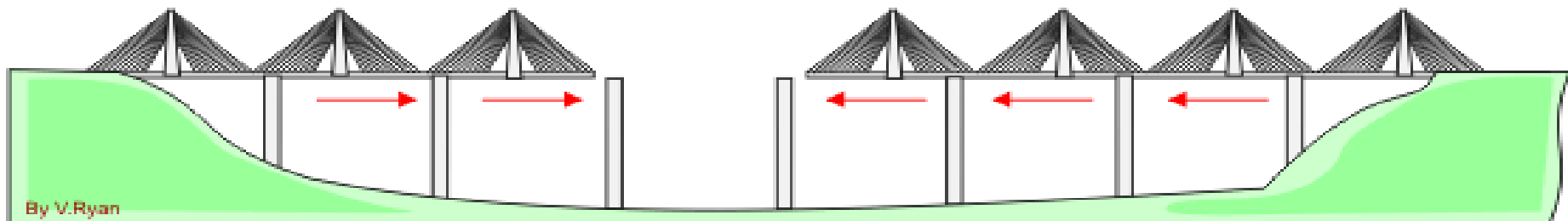
Social Problems/Policy Challenges

- Numerous organizations opposed the project.
- Arguments included:
 - Little use of viaduct due to toll charge
 - Project would never break even
 - Dangerous and unsustainable
 - Detour away from Millau resulting in a reduction of tourism and slower economy.

Technical Issues and Innovations

- Advantages of multiple span cable-stayed bridge
- Hydraulic system lifts intermediate temporary piers
- Safety barriers
- Wind breaking screens
- A video surveillance system
- Automatic accident detector system

THE ROLLING OUT OF THE ROADWAY / DECK FROM EITHER SIDE OF THE VALLEY



Awards

- 2006 International Association for Bridge and Structural Engineering (IABSE) Outstanding Structure Award.
- "Exceptional Recognition for Civil Engineering Structures" by the International Federation for Structural Concrete (fib)
- 2005 D&AD Gold Award in Environmental Design and Architecture