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Keynote Paper

## Suspension Bridges with Railway Crossing: Potentially-Innovative Options

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## **ABSTRACT**

The ambitious project of a permanent link between the bottom of the Italian peninsula and the nearby Sicily island was left in stand-by from 2013 to 2023. The current political revival originates some thoughts on the update desired performance of suspension bridges, without immediate reference to that specific crossing, if not as a starting point. After an update on recent worldwide realizations, the author focusses their attention on four basic aspects: the span length, the girder scheme, the foundation technology and the bridge runability. Eventually, structural control and monitoring aspects are discussed.