



Project design and construction of the Teror Viaduct in Gran Canaria (Spain)

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Abstract

The new Teror access road crosses the ravine of the same name via a viaduct with 62+145+54 m spans. The deck is formed by a continuous prestressed concrete box girder supported by extradosed staying. Due to the height at which it runs over the ravine, the deck was built by the balanced cantilever method. The piers are V shaped and are rigidly joined to the deck above which they extend like pylons.

Keywords: Extradosed staying, prestressed box, balanced cantilevers, V shaped piers.

1. Introduction

The Teror Viaduct crosses the ravine of the same name and forms the gateway to one of the most beautiful territories in the Island of Gran Canaria. This is the reason why, in designing the new construction, special attention was paid in caring for the landscape and environmental aspects to achieve its desired integration into the surroundings.



Fig. 1: Teror Viaduct. General View