

The MSS capacity is measured by 3 factors:

- The admissible live load
- The distance between concreting supports of the MSS
- The distance between launching supports of the MSS - flying span.

In other jobs done in 2006-2009 we have used our most advanced models prepared to hold 300 KN/m slabs plus the necessary external and internal formwork self weight, for concreting and considering its and the external formwork self weight in launching. Our models used in Vila Pouca de Aguiar Viaduct (Portugal) and Toxa and Martixe Viaducts (HST) in Spain were capable of supporting 280 KN/m slabs plus 60 KN/m of the formworks, with the supports of the MSS 54 m apart, and flying over 63 m.

After some other heavy bridges for the Spanish High-Speed Train Line with 55 m span of the slab but with 54 m distance between supports for the MSS we went forward for another challenge – the mythic frontier of the 70 meters concrete spans.