

## عنوان مقاله:

Remaining Moment Capacity of Corroded I-Beam Sections

## محل انتشار:

دهمین کنگره بین المللی مهندسی عمران (سال: 1394)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Steel structures are subjected to corrosion due to environmental exposure. As a result, the carrying capacity and hence the level of safety of these structures diminishes with time due to accumulation of corrosion damage. The rate of corrosion in these structures is often non-uniform and difficult to predict. Therefore, the remaining life of the structures is functions of materials properties and section loss. In this paper a simple modeled has been developed for the beams with varying thickness loss in the flanges and web in order to obtain relations between percentage remaining moment capacity and percentage thickness loss of corrosion damaged I-beams

## کلمات کلیدی:

Corrosion, Varying thickness loss, Moment capacity

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/364643>

