1. Record Nr. UNISA996215654303316 Autore Maidl Bernhard Titolo Handbook of tunnel engineering II: basics and additional services for design and construction / / Bernhard Maidl, Markus Thewes, Ulrich Maidl; translated by David Sturge; Sonja Frank, cover design Berlin, Germany:,: Ernst & Sohn,, 2014 Pubbl/distr/stampa ©2014 **ISBN** 3-433-60355-3 3-433-60353-7 3-433-60354-5 Descrizione fisica 1 online resource (460 p.) Altri autori (Persone) **ThewesMarkus** MaidIUIrich DavidSturge FrankSonja Disciplina 624.193 Soggetti Tunnels - Design and construction **Tunneling** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover; Title Page; The authors; Foreword to the English edition; Foreword to the 3rd German edition; Foreword to the 2nd German edition; Foreword to the 1st German edition; Table of Contents: 1 General Principles for the Design of the Cross-section; 1.1 General; 1.2 Dependence on intended use; 1.2.1 Road tunnels; 1.2.2 Constructional measures for road safety in tunnels; 1.2.3 Rail tunnels; 1.2.4 Construction of rail tunnels; 1.2.5 Underground railway and underground tram tunnels; 1.2.6 Innovative transport systems; 1.2.7 Monorail with magnetic levitation, Transrapid, Metrorapid 1.2.8 Other underground works1.3 The influence of the ground; 1.4 Dependency on construction process; 2 Engineering geology aspects

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Sommario/riassunto

This title presents additional services for the design and construction of tunnels, one of the most demanding challenges within engineering.

3.5.4 Combination of finite element and boundary element methods

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