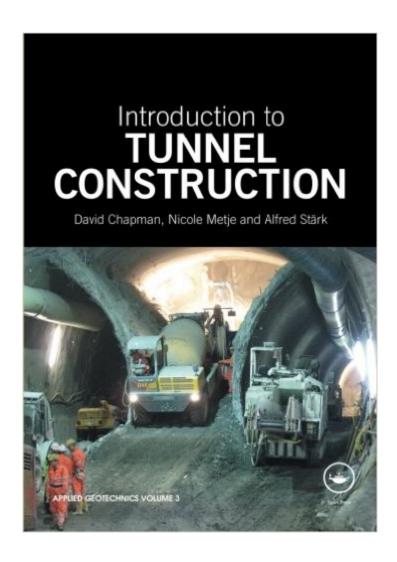
## The book was found

# Introduction To Tunnel Construction (Applied Geotechnics)





## **Synopsis**

Tunnelling provides a robust solution to a variety of engineering challenges. It is a complex process, which requires a firm understanding of the ground conditions as well as structural issues. This book covers the whole range of areas that you need to know in order to embark upon a career in tunnelling. It also includes a number of case studies of real tunnel projects, to demonstrate how the theory applies in practice. The coverage includes: Both hard-rock and soft-ground conditions Site investigation, parameter selection, and design considerations Methods of improving the stability of the ground and lining techniques Descriptions of the various tunnelling techniques Health and safety considerations Monitoring of tunnels during construction Clear, concise, and heavily illustrated, this is a vital text for final-year undergraduate and MSc students and an invaluable starting point for young professionals.

### **Book Information**

Series: Applied Geotechnics

Paperback: 416 pages

Publisher: CRC Press; 1 edition (July 10, 2010)

Language: English

ISBN-10: 0415468426

ISBN-13: 978-0415468428

Product Dimensions: 6.8 x 0.9 x 9.7 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #787,457 in Books (See Top 100 in Books) #51 in Books > Engineering &

Transportation > Engineering > Civil & Environmental > Earthwork Design #158 in Books >

Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste

Management #389 in Books > Engineering & Transportation > Engineering > Civil &

Environmental > Structural

#### Customer Reviews

I recently read this book nearly cover to cover. If you are seeking a good working introduction into tunnel construction, I think this is a great place to start. I provide the following thoughts:- Pay attention to the book description provided by about what the book covers. If you are an engineer looking for a technical introduction into actual tunnel design/engineering this isn't it. However, I do think the review description quote "Clear, concise, and heavily illustrated, this is a vital text for

final-year undergraduate and MSc students and an invaluable starting point for young professionals" is accurate - but don't forget the words "starting point."- It begins with what I thought was a very good historical development leading to current practices before moving on to tunneling related geotechnology.- It covers the traditional methods of drill and blast, road header, and TBM. It also briefly deals with micro-tunneling and boring large diameter vertical shafts. Tunnel lining techniques are also reviewed.- Personally, I think the text spent a disproportionate number of pages covering/endorsing the New Austrian Tunneling Method (NATM) with heavy emphasis on using shotcrete to line the tunnel, perhaps to the loss of explaining how NATM is any different from other techniques that inherently use the rock mass for tunnel support.- Extensive references and bibliography to provide a launch point for further inquiry.- While some of the above might sound pretty negative, I think this is an excellent and very thorough primer for those who already have some technical education and need or want to know more about tunneling.Good luck.

About 1/4 of the way through and seems like a decent primer on tunneling construction.

#### Download to continue reading...

Introduction to Tunnel Construction (Applied Geotechnics) Groundwater Lowering in Construction: A Practical Guide to Dewatering, Second Edition (Applied Geotechnics) Soil Liquefaction: A Critical State Approach, Second Edition (Applied Geotechnics) Dr. Pascarelli's Complete Guide to Repetitive Strain Injury: What You Need to Know About RSI and Carpal Tunnel Syndrome End Your Carpal Tunnel Pain Without Surgery: A Daily 15-Minute Program to Prevent & Treat Repetitive Strain Injury of the Arm, Wrist, and Hand 101 Questions and Answers about Carpal Tunnel Syndrome: What It Is, How to Prevent It, and Where to Turn for Treatment The Natural Treatment of Carpal Tunnel Syndrome (Keats Good Health Guides) Carpal Tunnel Syndrome: A Guide to Daily Activities Rsi: Repetitive Strain Injury: Repetitive Strain Injury, Carpal Tunnel Syndrome and Other Office Numbers (Thorsons Health) Everything You Need To Know To Relieve Carpal Tunnel Syndrome And Wrist Pain It's Not Carpal Tunnel Syndrome!: RSI Theory and Therapy for Computer Professionals Oak Island and its Lost Treasure: The Untold Story of the British Military's Role in the Island Flood Tunnel The Longest Tunnel: The True Story of World War li's Great Escape El Tunel / The Tunnel (Spanish Edition) Minecraft: Minecraft Creations Handbook: The Minecraft Construction Handbook Specially Made for The Best Minecraft Players (mincraft secrets, minecraft handbook, minecraft construction, minecraft) Construction Daily Project Log for Construction & Maintenance Building Construction Estimating (Mcgraw-Hill Series in Construction Engineering and Project Management) How I Made a Billion Dollars in the Construction Industry...For Someone Else: A

Practical Guide for Construction Management Residential Construction Academy: HVAC (Residential Construction Academy Series) Construction Dewatering: New Methods and Applications (Wiley Series of Practical Construction Guides)

<u>Dmca</u>