



## Underground Infrastructures: Planning, Design, and Construction (Hardback)

By R. K. Goel, Bhawani Singh, Jian Zhao

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2012. Hardback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Underground facilities, such as tunnels, sewer, water and gas networks form the backbone of the economic life of the modern city. In densely populated areas where the demands for transportation and services are rapidly increasing and the construction of new roads and railways are prohibited, the construction of a tunnel might be the only alternative. Brief and readable, this reference is based on a combined 75 years of field experience and places emphasis is on simple practical rules for designing and planning, underground infrastructures. The books begins with a clear and rigorous exposition of the classification of underground space, important considerations such as geological and engineering and underground planning. This is followed by self-contained chapters concerning applications for underground water storage, underground car parks, underground metros road tunnels and underground storage of crude oil, lpg and natural gas. The book has 15 chapters covering various usage of underground space. There are about 135 figures and tables. The book contains about 20 case histories/examples. One of the first book to address all of the major areas in which this technology is...

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