

Geotechnical Properties of Selected Pleistocene, Silurian, and Ordovician Deposits of Northeastern Illinois (Classic Reprint) (Hardback)



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Reviews

An exceptional book as well as the font applied was fascinating to learn. It is loaded with knowledge and wisdom I am just easily can get a pleasure of studying a created book.
(Dr. Benjamin Lakin)

GEOTECHNICAL PROPERTIES OF SELECTED PLEISTOCENE, SILURIAN, AND ORDOVICIAN DEPOSITS OF NORTHEASTERN ILLINOIS (CLASSIC REPRINT) (HARDBACK)



Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Geotechnical Properties of Selected Pleistocene, Silurian, and Ordovician Deposits of Northeastern Illinois Large quantities of detailed geotechnical data on the bedrock and glacial drift in northeastern Illinois were collected and compiled as part of the investigation for a suitable site for the proposed Superconducting Super Collider (ssc). The database includes (1) preexisting information such as stratigraphic data obtained from boreholes, strength test results, and observations and experiences from tunneling and construction of underground chambers in the region; and (2) new data from investigations conducted specifically for the ssc project, including studies of additional boreholes; hydrogeologic studies of water levels and in situ hydraulic conductivity; strength testing of rocks and soils; assessment of rock hardness and joint strength, and joint characterization; determination of laboratory and in situ sonic velocities; and rock mass classification and measurement of in situ stress magnitude and direction. This extensive database was used to characterize rock mass conditions and tunneling advance rates. Test results and construction experience in bedrock indicate that rock quality is good, tunneling conditions are favorable, and little or no support is required. Chambers with spans of 63 feet have previously been excavated in the dolomite bedrock, but studies for the ssc project shows that spans up to 125 feet are possible. Information gained from several successful underground construction projects in the Chicago and Milwaukee areas (where geologic conditions are similar) also indicate that construction of tunnels and chambers within the bedrock of northeastern Illinois is practical and that construction conditions are predictable. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to...



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