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TUNNELS HAVE A HIGH DEGREE OF RISK THAT NEEDS TO BE ASSESSED AND MANAGED. UNDERGROUND WORKS INTERSECT AND INTERACT WITH NATURAL MATERIALS, INCORPORATING THEIR CHARACTERISTICS AS STRUCTURAL COMPONENTS OF THEIR OWN STABILITY. FOR THIS REASON GEOTECHNICAL RISK ANALYSES ARE IMPLEMENTED AT ALL PHASES OF TUNNEL CONSTRUCTION, FROM DESIGN THROUGH TO POST-CONSTRUCTION MAINTENANCE. ANALYSIS OF GEOTECHNICAL RISK INVOLVES A GROUP OF STUDIES WHICH LEAD TO THE IDENTIFICATION AND EVALUATION OF THE POTENTIAL PROBABILITY OF ERROR AND THE CONSEQUENCES OF ITS OCCURRENCE. THIS VOLUME CONSIDERS CONSTRUCTION AND SAFETY, FINANCING AND CONTROL, AND EXPLORATION AND MAINTENANCE. EMINENT SPECIALISTS DISCUSS RISK ASSESSMENT AND MANAGEMENT, BASED BOTH ON ADVANCED THEORETICAL CONCEPTS AND ON PRACTICAL EXPERIENCE. THE BOOK IS OF INTEREST TO A WIDE RANGE OF PROFESSIONALS INVOLVED IN PLANNING, CONSTRUCTION AND MANAGEMENT OF TUNNELS: ENTREPRENEURS, DESIGNERS, CONSULTANTS AND CONTRACTORS.