1. Record Nr. UNISA996217136903316 Microtunneling and horizontal drilling [[electronic resource]]: French **Titolo** national project "microtunnels" recommendations / / FSTT, French Society for Trenchless Technology London: Newport Beach, CA.: ISTE, 2006 Pubbl/distr/stampa **ISBN** 1-280-51052-8 9786610510528 1-84704-450-6 0-470-61205-3 0-470-39438-2 1-61583-848-1 1-84704-550-2 Descrizione fisica 1 online resource (344 p.) Collana ISTE ; ; v.89 624.1/93 Disciplina 624.193 Soggetti Trenchless 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 (p. [333]-340) and index. Microtunneling and Horizontal Drilling: French National Project Nota di contenuto "Microtunnels" Recommendations; Table of Contents; Preface; Introduction; PART I. MICROTUNNELING; Chapter 1. Introduction to Guidelines: Subject and Fields of Application; 1.1. General introduction of "trenchless technology"; 1.2. History and characteristics of microtunneling methods; 1.3. Purpose of the guidelines; Chapter 2. Techniques and Theory of Operation for the Installation of Pipes by Microtunneling; 2.1. General information; 2.2. Different functions of a boring machine; 2.2.1. Mechanized excavation of the soil 2.2.1.1. Blasting the soil2.2.1.2. Confinement of the face; 2.2.2. Discharge of excavated earth (or mucking); 2.2.2.1. Hydraulic mucking;

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## Sommario/riassunto

This book includes recommendations prepared by members of the French Society for Trenchless Technology (FSTT), based on their recent national multi-year project. Comprehensive guidelines, techniques and theories in the areas of both microtunneling and horizontal drilling are given, encompassing the fields of application for each method, what investigations should be undertaken, which machines and equipment should be used, how the work should be managed and potential problems that may arise. The recommendations, the analytical methods used and their verification with laboratory and field dat