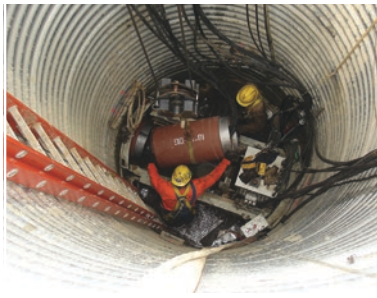
Pilot Tube and Other Guided Boring Methods



ASCE Manuals and Reports on Engineering Practice No. 133

Pilot Tube and Other Guided Boring Methods

Prepared by
Task Committee on Pilot Tube and Other Guided Boring Methods of the
Committee on Trenchless Installations of Pipelines of the
Utility Engineering and Surveying Institute of the
American Society of Civil Engineers

Published by the American Society of Civil Engineers

Library of Congress Cataloging-in-Publication Data

Names: Utility Engineering and Surveying Institute (American Society of Civil Engineers). Task Committee on Pilot Tube and Other Guided Boring Methods, author.
Title: Pilot tube and other guided boring methods / prepared by Task Committee on Pilot Tube and Other Guided Boring Methods of the Committee on Trenchless Installations of Pipelines of the Utility Engineering and Surveying Institute of the American Society of Civil Engineers.
Description: Reston, Virginia : American Society of Civil Engineers, [2017] |
Series: ASCE manuals and reports on engineering practice ; no. 133 |
Includes bibliographical references and index.
Identifiers: LCCN 2017010889| ISBN 9780784414743 (paperback : alk. paper) |
ISBN 9780784480571 (PDF) | ISBN 9780784480663 (ePUB)|
Subjects: LCSH: Underground pipelines–Equipment and supplies. | Tubes. | Underground pipelines–Design and construction. | Directional drilling–Equipment and supplies. | Trenchless construction. | Boring.
Classification: LCC TJ933 .P48 2017 | DDC 621.8/672–dc23 LC record available at https://lccn.loc.gov/2017010889

Published by American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, Virginia, 20191-4382
www.asce.org/bookstore | ascelibrary.org

Errata: Errata, if any, can be found at http://dx.doi.org/10.1061/9780784414743

ISBN 978-0-7844-1474-3 (paper)
ISBN 978-0-7844-8057-1 (PDF)
ISBN 978-0-7844-8066-3 (ePUB)
Manufactured in the United States of America.

21 20 19 18 17

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PREFACE

This manual of practice was prepared by the Task Committee on Pilot Tube and Other Guided Boring Methods of the ASCE Committee on Trenchless Installation of Pipelines (TIPS), as part of the Utility Engineering & Surveying Institute (UESI). The manual describes the current pilot tube and other guided boring methods used by engineers and construction professionals in designing and installing pipelines to a design line and grade under roads, railroads, streets, and other constructed and natural structures and obstacles.

This manual of practice has been created by a group of engineers, owners, suppliers, manufacturers, and contractors fully knowledgeable of the method and its use. This manual takes into account many of the advances that have occurred over the years in the guiding of trenchless methods. Many of the sections provide a summary of the state of the industry as of 2016. The task committee acknowledges that the technology continues to change and that changes in construction continue to develop.

Sections have been written assuming the reader may be new to the various construction methods included in this manual. No document including this one can encompass all of the issues on a particular pilot tube or other guided boring project. Improvements in best practices and technology continue to evolve so quickly that consideration of this manual on any project must take into account not only the specific characteristics of the particular project but also further improvements in best practices and technology.

The engineer of a pipeline project is encouraged to consider all trenchless methods before concluding that the pilot tube and/or other guided boring methods are the most suitable construction methods available. Manuals and reports on engineering practice (known as *MOPs*) have been written by ASCE for different construction methods. A list of useful references is provided at the end of Chapter 1.