

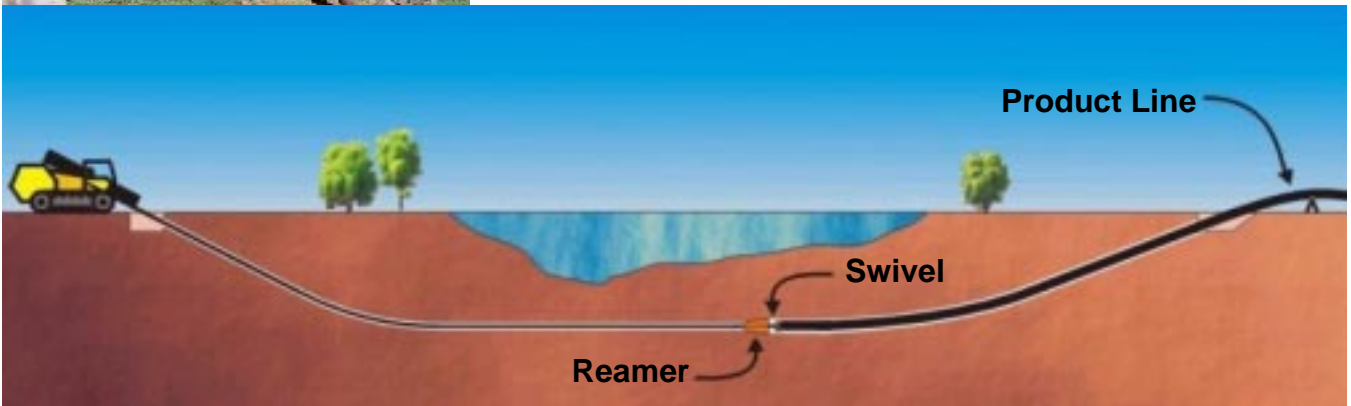


HORIZONTAL DIRECTIONAL DRILLING

GOOD PRACTICES GUIDELINES

HDD Consortium

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HDD Consortium:

- Distribution Contractors Association
- Directional Crossing Contractors Association
- Equipment Manufacturers Institute
- National Utility Contractors Association
- North American Society for Trenchless Technology
- Power & Communication Contractors Association

PRINCIPAL AUTHORS:

- David Bennett
- Samuel Ariaratnam
- Casey Como

May, 2001

Acknowledgments

Early in 2000, the six organizations shown below joined forces to address the need for a consensus, industry-led education and training program for users of HDD technologies.

- Distribution Contractors Association
- Directional Crossing Contractors Association
- Equipment Manufacturers Institute
- National Utility Contractors Association
- North American Society for Trenchless Technology
- Power & Communication Contractors Association

These organizations quickly formed the HDD Consortium and began the process of developing *HDD Good Installation Practices Guidelines* and training material. These Guidelines, which were prepared under the leadership of principal authors, David Bennett, Sam Ariaratnam, and Casey Como, represent a key first step toward meeting education and training objectives of the Consortium.

The Consortium applauds the contribution of principal authors. Their management and technical skills and their ability to work cooperatively and constructively with members of the HDD industry are reflected in the quality of this product.

The Consortium also would like to recognize the constructive role of the California Department of Transportation (Caltrans) in this effort. From the beginning, Caltrans recognized the importance of having industry experts take the lead in the development of educational and training materials designed to protect public infrastructure and enhance the safety of underground construction projects on public rights-of-way.

Finally, the Consortium would like to express its gratitude to leadership of the six sponsoring associations for their support and to their members for the countless hours spent reviewing and revising the guidelines. It was the effort of industry volunteers, who made this project possible. Thank You.

Preface

Members of the Horizontal Directional Drilling (HDD) industry have long recognized the importance of having knowledgeable and competent project personnel. Today, this growing industry suffers from a shortage of experienced personnel and could benefit from training based on consensus “good installation practices” guidelines. The value and need for guideline-based training became even more apparent with proposals, emerging over the past year or so, from state and local regulatory agencies to require that field responsible HDD personnel demonstrate basic knowledge and capabilities before they be allowed to operate in public rights-of-way.

To respond to the need for education and training of field responsible HDD personnel, the HDD industry in April 2000 formed a consortium to develop guidelines and training material on “good HDD installation practices.”

The HDD Consortium has broad-based industry support with representatives from virtually all HDD contractor groups as well as equipment manufacturer/supplier, and trenchless educational/training organizations. Specific members of the HDD Consortium are the Equipment Manufacturers Institute (EMI), the Distribution Contractors Association (DCA), the Directional Crossing Contractors Association (DCCA), the North American Society for Trenchless Technology (NASTT), the National Utility Contractors Association (NUCA), and the Power & Communications Contractors Association (PCCA).

The objectives of the HDD Consortium have been to: (1) develop consensus guidelines based on proven “good installation practices” using HDD technology, (2) aid in the understanding of these guidelines through development of a curriculum for training field responsible HDD personnel, as well as facilities planners and project responsible persons, and (3) encourage the use of the good practices guidelines and training material by qualified training organizations.

This document fulfills the “guidelines” portion of the Consortium’s objective. A companion training curriculum is also available from Consortium member organizations. Those associated with the HDD industry as well as persons/organizations benefiting from applying its services are encouraged to make good use of these peer-reviewed “works.”

Respectfully,

The HDD Consortium

Horizontal Directional Drilling (HDD) Good Practices Guidelines

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