Belowground Pipeline Networks for Utility Cables





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Prepared by the Pipeline Planning and Design Committee and the Underground Pipeline Asset Management Committee of the Pipeline Division of the American Society of Civil Engineers

Edited by Lawrence M. Slavin, Ph.D.



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PREFACE

This manual was prepared by the Task Committee on Belowground Pipeline Networks for Utility Cables of the ASCE Pipeline Planning and Design Committee and of the ASCE Underground Pipeline Asset Management Committee, in a cooperative effort, under supervision of the Pipeline Division. The manual provides a general overview of methods for placing utility cables belowground, including formal underground conduit systems and relatively low-cost direct-buried facilities, with emphasis on a belowground cable network that represents a cost-effective and space-efficient installation. The Pipeline Planning and Design Committee, under the leadership of Chairman Sam A. Arnaout, in cooperation with the Underground Pipeline Asset Management Committee, under the leadership of Chairman Thomas D. Iseley, are responsible for the efforts leading to this publication. The committees would like to thank contributors, task committee members, and reviewers, whose names follow, for their support, time, and effort. The Task Committee chairmen greatly appreciate the support and guidance provided by the U.S. Department of Transportation and the FHWA Turner-Fairbank Highway Research Center.

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