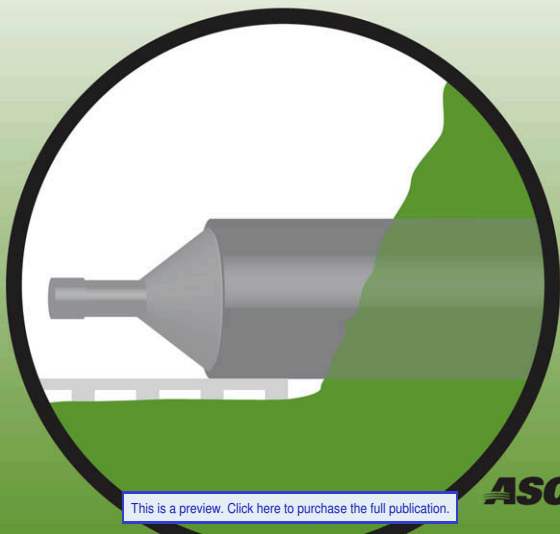


Pipe Ramming Projects

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No. 115*



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Pipe Ramming Projects

Prepared by
the Pipe Ramming Task Force of
the Trenchless Installation of Pipelines (TIPS)
Committee of the American Society of Civil Engineers

Edited by
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PREFACE

This manual of practice was prepared by the Pipe Ramming Task Force of the ASCE Committee on Trenchless Installation of Pipelines (TIPS), under supervision of the Pipeline Division. The manual describes current pipe ramming practices used by engineers and construction professionals in designing and constructing pipelines under roads, railroads, streets, and other constructed and natural structures and obstacles. The TIPS Committee, under the leadership of Ahmad Habibian, P.E. (Past Chair) and Timothy Stinson, P.E. (Current Chair), is responsible for the efforts leading to this publication. The committee would like to thank contributors, task force members, and blue ribbon reviewers, whose names follow, for their support, time, and effort. The efforts of Baosong Ma, Professor, College of Engineering, China University of Geosciences, Wuhan, who was a visiting scholar at the Center for Underground Infrastructure Research and Education at The University of Texas at Arlington during the time this manual was being developed, is greatly appreciated.

Mohammad Najafi
ASCE Pipe Ramming Task Force Chair

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