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Altri autori (Persone)	WhiddenWilliam R
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Nota di contenuto	History of Buried Steel Pipe; Nomenclature, Constants, and Terminology; Pipe Mechanics; Soil Mechanics; Pipe-Soil Interaction; Design Analysis; Special Considerations; The Iowa Formula: What It Is and Is Not; Soil Slip Analysis; Finite Element Design Example Trench Parallel to a Buried Pipe; External Fluid Pressure; The Story of Buried Steel Pipes and Tanks; Ring Analysis; Impact Factors in Soil; Back Matter; Index
Sommario/riassunto	Prepared by the Task Committee on Buried Flexible (Steel) Pipe Load Stability Criteria and Design of Pipeline Division of ASCE This manual provides appropriate analytical concepts to address the principles of buried steel pipe design and attempts to correct misusage of the 1958 Modified Iowa Formula. The most current work of Dr. Reynold K. Watkins and others is presented in this book to develop external loading design concepts. The goal of Buried Flexible Steel Pipe is to offer sound information on the structural design and analysis of buried steel pipe—for water and wastewater—consistent with the latest pipe/soil design concepts of the industry. In conjunction with the external design of the pipe/soil interaction, the manual addresses

internal pressure design, vacuum and external fluid pressure analysis, and many other nonstandard conditions pipe designers will likely encounter. This manual will be valuable to students and professionals involved in pipe design and construction.