Usace Mobile District Design Manual

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Cellular Cofferdams American Society of Civil Engineers
This manual presents fundamental principles underlying the design and construction of earth and rock-fill dams. The general principles presented herein are also applicable to the design and construction of earth levees.

Implementation of Base Realignment and Closure 2005 and Enhanced Use Lease Actions at Fort George G. Meade Lulu.com
The manual describes safety and health requirements for all Corps of Engineers activities and operations, including Naval Facilities Engineering Command (NAVFAC) construction contracts. Following this manual will help all contractors working on DoD projects to meet all of the necessary safety requirements to ensure success on any current and future Federal projects.

Evaluating Environmental Effects of Dredged Material Management Alternatives Butterworth-Heinemann
The Work Breakdown Structure (WBS) serves as a guide for defining work as it relates to a specific project's objectives. This book supplies project managers and team members with direction for the preliminary development and the implementation of the WBS. Consistent with A Guide to the Project Management Body of Knowledge (PMBOK® Guide)-Sixth Edition, the WBS Practice Standard presents a standard application of the WBS as a project management tool. Throughout the book, the reader will learn what characteristics constitute a high-quality WBS and discover the substantial benefits of using the WBS in every-day, real-life situations.

Layout and Design of Shallow-draft Waterways John Wiley & Sons
"This manual contains overview information on treatment technologies, installation practices, and past performance."--Introduction.

Standard Practice for Shotcrete Createspace

Independent Publishing Platform
This report contains guidelines and recommendations for managing and designing for friction on highway pavements. The contents of this report will be of interest to highway materials, construction, pavement management, safety, design, and research engineers, as well as others concerned with the friction and related surface characteristics of highway pavements.

Basics of Foundation Design Project Management Institute
The New York City Street Design Manual provides policies and design guidelines to city agencies, design professionals, private developers, and community groups for the improvement of streets and sidewalks throughout the five boroughs. It is intended to serve as a comprehensive resource for promoting higher quality street designs and more efficient project implementation.

Guide for Pavement Friction Military Bookshop
This document is intended to serve as a consistent "roadmap" for U.S. Army Corps of Engineers and U.S. Environmental Protection Agency personnel in evaluating the environmental acceptability of dredged amterial management alternatives. Specifically, its major objectives are to provide: A general technical framwork for evaluating the environmental acceptability of dredged material management, alternatives (open-water disposal, confined (diked) disposal, and beneficial uses). Additional technical guidance to augment present implementation and testing manuals for addressing the environmental acceptability of available management options for the discharge of dredged material in both ope water and confined sites. Enhanced consistency and coordination in USAC/EPA decision making in accordance with Federal environmantl statutes regulating dredged material management.

Engineering and Design Lulu.com
As a source of reference material for the practising water engineer or water manager, this book outlines a strategy for projecting water consumption for specific types of land use and selecting a water conservation programme to maximise the beneficial use of a limited natural resource - a situation that typifies new development nationally and worldwide.

Ufc 1-200-02 High Performance and Sustainable Building Requirements AASHTO
This UFC provides guidance for Department of Defense facilities to achieve high performance and sustainable building requirements in compliance with the Energy Policy Act of 2005, the Energy Independence and Security Act of 2007, EO 13423, EO 13514, and the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings (Guiding Principles).

Mobile Harbor Channel Deepening Morning Tea Press, LLC
The purpose of this manual is to provide guidance for planning, layout and design of shallow-draft waterways.

Commerce Business Daily Springer
Lock Gates and Other Closures in Hydraulic Projects shares the authors practical experience in design, engineering, management and other relevant aspects with regard to hydraulic gate projects. This valuable reference on the design, construction, operation and maintenance of navigation lock gates, movable closures of weirs, flood barriers, and

gates for harbor and shipyard docks provides systematic coverage on all structural types of hydraulic gates, the selection of gate types, and their advantages and disadvantages. The discussion includes the latest views in new domains, such as environmental impact of hydraulic gate projects, sustainability assessments, relation with the issues of global climate change, handling accidents and calamities, and the bases of asset management. Heavily illustrated, this reference provides a generous amount of case studies based on the author's own and their colleagues' experiences from recent projects in Europe, America and other continents. - Presents extensive coverage of the operational profiles of hydraulic closures, including gates in navigation locks, movable closures on river weirs, closures of flood barriers, spillway closures and valves, and more - Outlines the different structural types of hydraulic gates, including miter gates, vertical lift gates, flap and hinged crest gates, radial gates, rolling and barge gates, sector gates and many other - Clearly outlines the selection process for gates for navigation locks, river weirs, flood barriers, hydroelectric plants, shipyard docks and other hydraulic structures - Provides comprehensive discussion of design loads and other actions to which hydraulic gates may be subjected during their service life, followed by an overview of analysis methods and tools - Addresses the newest challenges and concerns in hydraulic gate projects, such as environmental impact of hydraulic gate projects, risk-based design, sustainability issues, handling accidents and calamities, and gate maintenance in view of asset management - Presents the experiences from many recent projects in Europe and America, including the rolling gates in large European sea locks, gates in the Panama Canal new locks, flood barriers in New Orleans and the Netherlands

Water Resource Systems Planning and Management Military Bookshop

This manual provides practical guidance for the design and operation of soil vapor extraction (SVE) and bioventing (BV) systems. It is intended for use by engineers, geologists, hydrogeologists, and soil scientists, chemists, project managers, and others who possess a technical education and some design experience but only the broadest familiarity with SVE or BV systems.

Standard Practice for Concrete AASHTO

This working manual covers everything from theory, practical design, templates, installation, filling, equipment, maintenance to removal. With the combination of the TVA Technical Monograph 75-Steel Sheet Pile Cofferdams on the Rock manual and the US Corps of Engineers manual - Theoretical Manual for Design of Cellular Sheet Pile Structures our Cellular Cofferdams handbook make for an excellent reference book. Cellular Cofferdams, the large, barrel-like, interconnected structures formed of steel sheet piling and filled with coarse soil. Generally utilized for dewatering large construction sites as well as building piers, quaywalls, bulkheads, breakwaters and artificial islands. Over the years, a few papers on design theory have come forth, but only one complete publication devoted to the entire subject.

Corps of Engineers Wetlands Delineation Manual

This book is open access under a CC BY-NC 4.0 license. This revised, updated textbook presents a systems approach to the planning, management, and operation of water resources infrastructure in the environment. Previously published in 2005 by UNESCO and

Deltares (Delft Hydraulics at the time), this new edition, written again with contributions from Jery R. Stedinger, Jozef P. M. Dijkman, and Monique T. Villars, is aimed equally at students and professionals. It introduces readers to the concept of viewing issues involving water resources as a system of multiple interacting components and scales. It offers guidelines for initiating and carrying out water resource system planning and management projects. It introduces alternative optimization, simulation, and statistical methods useful for project identification, design, siting, operation and evaluation and for studying post-planning issues. The authors cover both basin-wide and urban water issues and present ways of identifying and evaluating alternatives for addressing multiple-purpose and multi-objective water quantity and quality management challenges. Reinforced with cases studies, exercises, and media supplements throughout, the text is ideal for upper-level undergraduate and graduate courses in water resource planning and management as well as for practicing planners and engineers in the field.

Planning and Design of Hydroelectric Power Plant Structures

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Essential site planning and design strategies, up-to-date with the latest sustainable development techniques Discover how to incorporate sound environmental considerations into traditional site design processes. Written by a licensed landscape architect with more than 20 years of professional experience, this authoritative guide combines established approaches to site planning with sustainable practices and increased environmental sensitivity. Fully revised and updated, Site Planning and Design Handbook, Second Edition discusses the latest standards and protocols-including LEED. The book features expanded coverage of green site design topics such as water conservation, energy efficiency, green building materials, site infrastructure, and brownfield restoration. This comprehensive resource addresses the challenges associated with site planning and design and lays the groundwork for success. Site Planning and Design Handbook, Second Edition explains how to: Integrate sustainability into site design Gather site data and perform site analysis Meet community standards and expectations Plan for pedestrians, traffic, parking, and open space Use grading techniques to minimize erosion and maximize site stability Implement low-impact stormwater management and sewage disposal methods Manage brownfield redevelopment Apply landscape ecology principles to site design Preserve historic landscapes and effectively utilize vegetation

Site Planning and Design Handbook 2e (Pb)

The purpose of this manual is to present basic principles used in the design and construction of earth levees. The term levee as used herein is defined as an embankment whose primary purpose is to furnish flood protection from seasonal high water and which is therefore subject to water loading for periods of only a few days or weeks a year. Embankments that are subject to water loading for prolonged periods (longer than normal flood protection requirements) or permanently should be designed in accordance with earth dam criteria rather than the levee criteria given herein. Even though levees are similar to small earth dams they differ from earth dams in the following important respects: (a) a levee embankment may become saturated for only a short period of time beyond the limit of capillary saturation, (b) levee alignment is dictated primarily by flood protection requirements, which often results in construction on poor foundations, and (c) borrow is generally obtained from shallow pits or from channels excavated adjacent to the levee, which produce fill material that is often heterogeneous and far from ideal. Selection of the levee section is often based on the properties of the poorest material that must be used.

Enhanced Evaluation of Cumulative Effects Associated with Permitting Activity for Large-scale Development in Coastal Mississippi

A multi-disciplinary approach to transportation planning fundamentals The Transportation Planning Handbook is a comprehensive, practice-oriented reference that presents the fundamental concepts of transportation planning alongside proven techniques. This new fourth edition is more strongly focused on serving the needs of all users, the role of safety in the planning process, and transportation planning in the context of societal concerns, including the development of more sustainable transportation solutions. The content structure has been redesigned with a new format that promotes a more functionally driven multimodal approach to planning, design, and implementation, including guidance toward the latest tools and technology. The material has been updated to reflect the latest changes to major transportation resources such as the HCM, MUTCD, HSM, and more, including the most current ADA accessibility regulations. Transportation planning has historically followed the rational planning model of defining objectives, identifying problems, generating and evaluating alternatives, and developing plans. Planners are increasingly expected to adopt a more multi-disciplinary approach, especially in light of the rising importance of sustainability and environmental concerns. This book presents the fundamentals of transportation planning in a multidisciplinary context, giving readers a practical reference for day-to-day answers. Serve the needs of all users Incorporate safety into the planning process Examine the latest transportation planning software packages Get up to date on the latest standards, recommendations, and codes Developed by The Institute of Transportation Engineers, this book is the culmination of over seventy years of transportation planning solutions, fully updated to reflect the needs of a changing society. For a comprehensive guide with practical answers, The Transportation Planning Handbook is an essential reference.

Investigation of Containment Area Design to Maximize Hydraulic Efficiency

This manual provides guidance on evaluating the condition of the concrete in a structure, relating the condition of the concrete to the

underlying cause or causes of that condition, selecting an appropriate repair material and method for any deficiency found, and using the selected materials and methods to repair or rehabilitate the structure. Guidance is also included on maintenance of concrete and on preparation of concrete investigation reports for repair and rehabilitation projects. Considerations for certain specialized types of rehabilitation projects are also given.

Street Design Manual

Engineer Field Data is designed as an authoritative reference for the military engineer. It covers everything from concreting to improvised munitions!

Engineering and Design

This manual provides technical guidance for performing precise structural deformation surveys of locks, dams, and other hydraulic flood control or navigation structures. Accuracy, procedural, and quality control standards are defined for monitoring displacements in hydraulic structures.