

problem solving and the ground-up creation of complete construction project estimates. Estimating skills are fundamental to the construction industry, and are applied by all parties at all levels throughout the industry. This book is a hands-on guide to the techniques and tools used to create a thorough estimate, with plenty of opportunities for practice. Apply cost data to all aspects of the building project Practice your skills on over 300 sample problems Construct a complete estimate using RSMMeans Besides being an essential construction skill, learning estimating helps you become familiar with reading and understanding construction blueprints and how construction assemblies are built. Mastery of these vital skills is important to your future career, and How to Estimate with RSMMeans Data is your ideal guide to a solid foundation.

Get the confidence and know-how you need to deliver more accurate cost estimates and improve profitability. The 73rd edition of this bestselling cost guide has been updated and expanded to provide you with the information you need to: Estimate projects with confidence and accuracy Improve project planning and budgeting Reduce risk Access detailed construction costs, arranged in the CSI MasterFormat 2010 system, and leverage the resources available in the reference section to construct a winning estimate.

The cost data in this set has been organized in "assemblies" format. As such, it is most useful for developing budgetary estimates at the design development stage of a design project. Designers can easily compare the costs of using various construction systems, making informed decisions before committing to a specific construction or system type. The wage rate is union and the assumption is that the installing contractor have billings of \$4,000,000 or more. It is aimed primarily at estimating commercial and industrial projects or large multi-family housing projects costing \$3,500,000 and up. Although created for new, commercial construction, the assemblies data set can be adapted for a preliminary renovation estimate.

The Building Construction Cost Data 2016 Get the confidence and know-how you need to deliver more accurate cost estimates and improve profitability. The 74th edition of this bestselling cost guide has been updated and expanded to provide you with the information you need to estimate projects, planning & budgeting.

This comprehensive reference covers the full spectrum of technical data required to estimate costs for major construction projects. Widely used in the industry for tasks ranging from routine estimates to special cost analysis projects, the book has been completely updated and reorganized with new and expanded technical information. RSMMeans Estimating Handbook will help construction professionals: Evaluate architectural plans and specifications Prepare accurate quantity takeoffs Compare design alternatives and costs Perform value engineering Double-check estimates and quotes Estimate change orders FEATURES: This new edition includes expanded coverage of: Construction specialties—green building, metal decking, plastic pipe, demolition items, and more Preliminary or square foot estimating tools Updated city cost indexes to adjust costs—by trade—for 30 major cities Historic indexes to factor costs for economic effects over time Complete reorganization to the newest CSI MasterFormat classification system

This book is devoted specifically to the needs of professionals responsible for the maintenance, construction and renovation of commercial, industrial, municipal, and institutional properties. This reference provides immediate access to every imaginable cost associated with facilities construction and renovation, plus many common maintenance items with more than 40,000 unit price line items.

Designed for estimating for infrastructure improvements, environment-oriented construction, hazardous waste, ADA-mandate handicapped

access and more. Including costs for polyethylene pipe, insulated concrete forms, aerators, soil nailing, concrete curbs, demolition items, utilities, security items, etc.

The professional's choice for construction cost estimating, this handbook now provides more than 500 updated unit prices that had formerly been available only in the Western edition as well as many other new line items.

"A comprehensive collection of commercial new construction costs, the 78th edition of this cost book provides data for project types ranging from industrial and retail to multi-family housing and public buildings. Find material, union labor, and equipment prices for electrical, mechanical, site work, framing, and more. With adjustments for more than 930 locations across North America, costs can be localized for even greater accuracy"--Back cover.

This easy-to-use guide gives you the building components required to develop accurate assemblies-level cost estimates, evaluate trade-off costs and verify unit price estimates. Be prepared to estimate any job with this indispensable cost reference. An accurate estimate of costs to build your particular project depends on location, project scope, specific components used and current market conditions.

Seventy-fourth edition titled: RSMeans building construction cost data.

Open Shop Building Construction Cost Data 2015 provides you with the reliability you need to stay ahead of your competition with more than 24,000 unit costs for open shop construction in the United States and Canada. The labor rates listed apply to skilled workers responsible for installation. Wage rates in this edition are based on the results of continuing national research. This guide gives you instant access to detailed costs for more than 24,000 building component prices, including material, labor, and equipment plus productivity information including labor hours and daily output for open shop crews. It's your one stop for comprehensive, up to date cost data for merit shop construction estimating. Included FREE are quarterly updates via email, and access to the RSMeans Hotline, where you'll have personalized help in effectively using RSMeans cost data in your estimating.

Open Shop Building Construction Cost Data 2013 provides you with the reliability you need to stay ahead of your competition and more than 23,000 unit costs for open shop construction in the United States and Canada. The labor rates apply to skilled workers responsible for installation. Wage rates in this edition are based on the results of continuing national research. Instant access to detailed costs for more than 20,000 building component prices, including material, labor, and equipment plus productivity information including labor hours and daily output for open shop crews.

Previously published as: RSMeans building construction cost data.

With Means Heavy Construction Cost Data 2009, you get costs for all types of heavy construction-from highways, bridges, utilities, rails and marine projects, to sanitary and storm sewer projects-which lets you estimate a wider range of

street and roadway construction. This cost data is excellent for D.O.C., J.O.C., S.A.B.E.R., and B.O.S. projects. Get the confidence and know-how you need to deliver more accurate cost estimates and improve profitability. The 72nd edition of this bestselling cost guide has been updated and expanded to provide you with the information you need to:

- * Estimate projects with confidence and accuracy
- * Improve project planning and budgeting
- * Reduce risk

Access detailed construction costs, arranged in the CSI MasterFormat 2010 system, and leverage the resources available in the reference section to construct a winning estimate.

- * What you'll find inside:
- * More than 24,000 unit costs for building components
- * Equipment rental costs
- * Crew sizes, labor hours, and labor rates
- * Square foot costs
- * Reference section with more than 90 reference tables, estimating aids, and technical data
- * City Cost Indexes for over 900 locations in the U.S. and selected locations in Canada

Heavy Construction Costs with RSMMeans data offers costs for all types of heavy construction from highways, bridges, utilities, Heavy Construction Costs with RSMMeans data offers costs for all types of heavy construction from highways, bridges, utilities,

The RSMMeans Construction Cost Indexes are a means to compare costs from city to city, costs over time, and to localize the RSMMeans national average construction costs.

Facilities Construction Costs with Rsmeans Data60201

This brand-new book provides a thorough introduction to cost estimating in a self-contained print and online package. With clear explanations and a hands-on, example-driven approach, it is the ideal reference for students and new professionals who need to learn how to perform cost estimating for building construction. With more than 930 Location Factors in the United States and Canada, the data includes up-to-date system prices for more than 100 standard assemblies and in-place costs for thousands of alternates making it easy to customize budget estimates and compare system costs. The book includes a free access code to the supplemental website with plans, specifications, problem sets, and a full sample estimate.

Facilities Construction Cost Data is devoted specifically to the needs of professionals responsible for the maintenance, construction and renovation of commercial, industrial, municipal and institutional properties. This reference provides immediate access to every imaginable cost associated with facilities construction and renovation, plus many common maintenance items with more than 48,000 unit price line items and thousands of assemblies.

-- Added cost data for water distribution, drainage, sanitary sewer and underground utilities... enables you to estimate a wider range of street and roadway construction. -- Up-to-date prices for estimating 2002 projects with the famous Means simple-to-use tables in CSI MasterFormat. -- City Cost Indexes and Location Factors to adjust the latest prices for labor, equipment and materials to over 930 locations... the price breakdowns you need for accurate estimates in your region of the country. -- Conforms to the latest CSI MasterFormat Master List of Numbers and Titles for Unit Prices, and UNIFORMAT II numbering system for the

Assemblies section. -- Use this book as a supplement to Means Building Construction Cost Data -- expanding your estimating capabilities.

A unique cost reference, updated and expanded, for architects, engineers, contractors, building owners, and managers Green building is no longer a trend. Since the publication of the widely read first edition of this book, green building has become a major advancement in design and construction. Building codes and standards have adopted much stricter energy efficiencies. Businesses, institutions, and communities have discovered huge savings, along with health and marketing advantages, in sustainable building. Private facilities, as well as public buildings for Federal, state, and local governments are increasingly required to design and build sustainably in both new construction and renovation. This Third Edition has been updated with the latest in green building technologies, design concepts, standards, and costs. The chapters, case studies, and resources give you practical guidance on green building, including the latest on: Green building approaches, materials, rating systems, standards, and guidelines Energy efficiencies, implementing energy modeling tools Designing and specifying, as well as commissioning, green building projects Often-specified products and materials, as well as a sample spec Goals and techniques for health, comfort, and productivity Evaluating the cost versus value of green products over their life cycle Low-cost green strategies, and special economic incentives and funding Building deconstruction and cost considerations With a new chapter on greening of commercial real estate, this reference is a one-stop resource for the latest in green building approaches and implementation. The contributors, all prominent leaders in green building, include: Mark Kalin, FAIA, FCSI, author of the original GreenSpec Andy Walker, Ph.D., PE, senior engineer with NREL Joseph Macaluso, AACE, certified cost consultant

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