

Construction Contracting A Practical Guide To Company

The #1 construction law guide for construction professionals Updated and expanded to reflect the most recent changes in construction law, this practical guide teaches readersthe difficult theories, principles, and established rules that regulate the construction business. It addresses the practical steps required to avoid and mitigate risks—whether the project is performed domestically or internationally, or whether it uses a traditional design-bid-build delivery system or one of the many alternative project delivery systems. Smith, Currie & Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional provides a comprehensive introduction to the important legal topics and questions affecting the construction industry today. This latest edition features: all-new coverage of Electronically Stored Information (ESI) and Integrated Project Delivery (IPD); extended information on the civil False Claims Act; and fully updated references to current AIA, ConsensusDocs, DBIA, and EJDC contract documents. Chapters coverthe legal context of construction; interpreting a contract; public-private partnerships (P3); design-build and EPC; and international construction contracts. Other topics include: management techniques to limit risks and avoid disputes; proving costs and damages, including for changes and claims for delay and disruption; construction insurance, including general liability,

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builders risk, professional liability, OCIP, CCIP, and OPPI; bankruptcy; federal government construction contracting; and more. Fully updated with comprehensive coverage of the significant legal topics and questions that affect the construction industry. Discusses new project delivery methods including Public-Private Partnerships (P3) and Integrated Project Delivery (IPD). Presents new coverage of digital tools and processes including Electronically Stored Information (ESI). Provides extended and updated coverage of the civil False Claims Act as it relates to government construction contracting. Filled with checklists, sample forms, and summary "Points to Remember" for each chapter, Smith, Currie & Hancock's *Common Sense Construction Law: A Practical Guide for the Construction Professional*, Sixth Edition is the perfect resource for construction firm managers, contractors, subcontractors, architects and engineers. It will also greatly benefit students in construction management, civil engineering, and architecture.

The definitive contracting reference for the construction industry, updated and expanded *Construction Contracting*, the industry's leading professional reference for five decades, has been updated to reflect current practices, business methods, management techniques, codes, and regulations. A cornerstone of the construction library, this text presents the hard-to-find information essential to successfully managing a construction company, applicable to building, heavy civil, high-tech, and industrial construction endeavors alike. A wealth of coverage on the basics of owning a construction

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business provides readers with a useful "checkup" on the state of their company, and in-depth exploration of the logistics, scheduling, administration, and legal aspects relevant to construction provide valuable guidance on important facets of the business operations. This updated edition contains new coverage of modern delivery methods, technology, and project management, with sample contracts and documentation and a companion website for additional guidance. The field of construction contracting comprises the entire set of skills, knowledge, and conceptual tools needed to successfully own or manage a construction company, as well as to undertake any actual project. This book gives readers complete, up-to-date information in all of these areas, with expert guidance toward best practices. Learn techniques for accurate cost estimating and effective bidding Understand construction contracts, surety bonds, and insurance Explore project time and cost management, with safety considerations Examine relevant labor law and labor relations techniques Between codes, standards, laws, and regulations, the construction industry presents many different areas with which the manager needs to be up to date, on top of actually doing the day-to-day running of the business. This book provides it all under one cover – for the project side and the business side, Construction Contracting is a complete working resource in the field or office. This working handbook provides invaluable assistance for estimating and planning today's more complex urban and suburban heavy construction rehabilitation projects. Means Heavy Construction Handbook is designed to

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simplify the task by providing relevant information and advice for the problem at hand... whether it's selecting the right number of haulers for a load and haul job, choosing the right method of compaction, or projecting equipment repair and maintenance costs. You'll find a tremendous range of expert advice on every aspect of heavy construction work... including guidance for using RSMeans cost data to prepare highly reliable estimates.

FEATURES: Special benefits of this unique Handbook: Explains the business aspects of buying vs. leasing, maintaining, and accounting for equipment. Includes a major section on site evaluation and hazardous wastes. Provides a comprehensive understanding of heavy construction operations and equipment. Explains techniques for hazardous waste site assessment and remediation. Provides guidance for analyzing and estimating heavy construction on a unit price basis. Explains and illustrates the math of heavy construction with formulas and sample calculations – solutions to a variety of productivity and operational problems. Provides a substantial Appendix of productivity and other reference data for estimating and project planning. Explains successful management and supervision approaches – including guidance for those who oversee the work. Proven business strategies for operating a profitable and efficient construction firm

Written by a successful management researcher, advisor, and educator to construction contractors, The Construction MBA reveals effective operating practices for managing the multiple processes that must work simultaneously to make a

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construction firm consistently profitable. The methods in the book apply to both general and specialty contracting firms and describe how to grow both the top line and bottom line. This strategic resource explains how to integrate metrics into your business model that allow you to identify and react to critical trends. You'll learn ways to gain the competitive edge by adopting superior processes, speeding up your business cycle, and maximizing client satisfaction. Tips for positioning your firm on the "sweet spot" of the risk-reward curve are also included. Realworld case studies demonstrate the concepts presented in this practical guide. In addition, eight legendary management books are reviewed and their lessons are applied to the construction contracting business. The Construction MBA covers:

- The new business model
- Corporate objectives and strategies
- Work acquisition
- Operations management
- Human resources
- Financial management
- Technology
- Good operating practices

Disruption of a construction project is of key concern to the contractor as any delay to the project will involve the contractor in financial loss, unless those losses can be recovered from the employer. It is, however, acknowledged that disruption claims in construction are difficult to prove, usually the result of poor or inaccurate project records, but the cost of lost productivity or reduced efficiency to the contractor under these circumstances is very real. Practical Guide to Disruption and Productivity Loss on Construction & Engineering Projects is clearly written to explain the key causes of disruption and productivity loss. Disruption claims rest on

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proof of causation, so it discusses the project records that are necessary to demonstrate the causes of disruption, lost productivity and reduced efficiency in detail. Quantification of a disruption claim in terms of delay to activities and the associated costs are also fully discussed. With many worked examples throughout the text, this will be an essential book for anyone either preparing or assessing a disruption and loss of productivity claims, including architects, contract administrators, project managers and quantity surveyors as well as contractors, contracts consultants and construction lawyers.

Construction Contracting A Practical Guide to Company Management John Wiley & Sons

In the United Kingdom, adjudication is available as a right for parties to a construction contract, following the enactment of the Housing Grants Construction and Regeneration Act 1996. In general, within a comparatively short period of time, parties in dispute will have a decision from an adjudicator, which, except in limited circumstances, the courts will enforce.

Adjudication has become the number one method of dispute resolution in the construction industry. The short timescale means that a party needs to know what to do, when to do it and be able to check that the other party and the adjudicator are following the right steps. A Practical Guide to Construction Adjudication gives parties the necessary information to achieve this. It provides a straightforward overview of the process and procedure of adjudication by reference to legislation and case law, augmented with practical guidance including

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suggestions on what to do or not to do, drafting tips and checklists. Separate chapters for Scotland and Northern Ireland identify and explain the differences in procedure and judicial interpretation between those jurisdictions and England and Wales, and further detailed explanations of the adjudication regimes in Australia, Ireland, Malaysia, New Zealand and Singapore are included. Each of the chapters on jurisdictions outside England and Wales has been written by senior experts in those jurisdictions to ensure the content is accurate and insightful. There are a range of helpful appendices including a bank of model form adjudication documents and tabulated detailed comparisons of the Scheme for Construction Contracts, the other major adjudication rules, the major adjudicator nominating bodies and the UK and international regimes. Readers will particularly appreciate the most comprehensive index of adjudication cases available, sorted into 260 subject headings providing immediate access to all the reported cases on any adjudication topic.

Presents construction productivity concepts. This book includes topics such as measuring labor productivity, establishing a field benchmarking program, negotiating loss of labor efficiency, and recommended practices for productivity enhancement. It is suitable for electrical engineers and students.

Launched in 1993, the NEC Engineering and Construction Contract has become one of the UK's leading standard forms of contract for major construction and civil engineering projects. The third edition, popularly known as NEC3, is a process based contract embodying

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project and commercial management best practice, so its basic philosophy differs from the more adversarial approach of other standard construction contracts. Since the first edition of this book, the third edition of the contract has seen the introduction of a new secondary option for use in the UK and amendments to a number of clauses. In addition, in September 2011, changes were introduced to cater for the amendments to the Housing Grants, Construction and Regeneration Act 1996 contained in the Local Democracy, Economic Development and Construction Act 2009, which became effective for all new contracts entered into from 1 October 2011. These amendments have been incorporated into the text. A Practical Guide to the NEC3 Engineering and Construction Contract will be useful to everyone in the construction industry working on a project under this contract. It will be of interest to the complete construction supply chain, including employers, construction professions, contractors and sub-contractors, as well as consultants and lawyers advising any of these parties, either in the preparation of contract documentation or the day to day management or the resolution of problem situations which may arise. Provides construction industry professionals with a practical and detailed guide to the NEC4 contract The NEC contract takes a collaborative, project management based approach to construction projects, which is very different to the other standard forms of construction contract. This new edition of the book covers all changes in the 4th Edition of the Engineering and Construction Contract, issued in June 2017, and will provide practical

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guidance to help users transitioning from NEC3 to NEC4. Inside A Practical Guide to the NEC4 Engineering and Construction Contract, readers will find chapters on the background of the NECECC; contract data and other documents; the 'spirit of mutual trust'; all of the individuals involved in the process (eg: project managers, clients, supervisors, subcontractors, etc.); communication issues, early warnings and other matters; quality management; titles; dealing with timing; payment processes; cost components; compensation procedures and assessments; dealing with terminations; dispute resolution; completing the contract and more. A practical guide to the application of the procedures contained in the newly issued NEC4 Engineering and Construction Contract Provides detailed guidance on the use of the agreement, which is claimed to offer increased flexibility, improved clarity and greater ease of use Written specifically for people actually using and administering the NEC contracts Features 3 appendixes covering tables of clause numbers, case law and statutes; employer's, project manager's, supervisor's, contractor's and adjudicator's actions; and communication forms and their uses. First launched in 1993, the NEC has become one of the UK's leading standard forms of contract for major construction and civil engineering projects, making A Practical Guide to the NEC4 Engineering and Construction Contract a must-have resource for any contractor using the latest version of this contract.

This hard cover book offers a concise, practical guide to the law relating to construction contracts in Australia.

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Written for engineers negotiating and administering construction contracts, it aims to assist readers in understanding the risks associated with these contracts and how to minimise them. The book is written by two experienced and respected authors who have a unique combination of local and international practical experience and professional and academic background in law and engineering. Oxford University Press Australia & New Zealand is the non-exclusive distributor of this title.

Launched in 1991, the New Engineering Contract (NEC) has become one of the UK's leading standard forms of contract for major construction and civil engineering projects. Currently in the third edition, popularly known as NEC 3, it is a process based construction contract embodying project management best practice, and thus the basic philosophy behind the contract is different to the more adversarial principles and approach of other standard construction contracts. Written as a practical guide to the application of the procedures contained in NEC 3, this book will aid users in the transition from their use and understanding of the other standard construction contracts to the collaborative project management based approach of the ECC. Written for anyone working in the construction industry working on a project under the ECC, it will be of interest to the complete construction supply chain including employers, construction professions, contractors and sub-contractors. It will also be of interest to consultants and lawyers advising any of these parties, either in the preparation of contract documentation or the resolution

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of problem situations which may arise. A practical guide to the application of the procedures contained in the NEC Engineering and Construction Contracts Written specifically for people actually using and administering the NEC contracts – rather than lawyers Covers all the variations created by the Main and Secondary Options This book is based on Dr. Schleifer's 45 years experience, a combination of practical, hands-on work as a contractor and his work assisting financially distressed companies. This has given Dr. Schleifer a unique perspective on the causes of business failure and how to avoid them. His no-nonsense philosophy is: ""We cannot control the market, but we can control our response to it."" Part one of each chapter focuses on potential causes of contractor failure and how to avoid them. Schleifer's methods are largely based on data from his 8 years as a surety consultant in.

Easy to follow instructions on the methods and materials used for repairing houses.

Construction Project Management offers some of the best project management studies commissioned by ELECTRI International: The Foundation for Electrical Construction that were selected, coordinated, and monitored by some of the most progressive contractors and performed by outstanding scholars from top U.S. universities. Topics include pre-construction planning, early warning signs of project distress, impact of change orders, project sequencing, ideal jobsite inventory levels, tool and material control systems, recommended safety practices, partnering, total quality management, quality assurance, performance evaluations, and contract risk

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management. All specialty and general contractors will find value in this practical book. The concepts presented will improve your understanding of the main issues affecting construction project management and will provide you with tools and strategies to enhance your company's productivity and profitability.

The bestselling guide to the laws that govern construction Knowledge of construction law and employment law is essential to running a successful construction business. Now, industry professionals don't have to rely on lawyers to translate the sometimes-confusing theories, principles, and established rules that regulate the business. In plain English, Smith, Currie & Hancock's Common Sense Construction Law, Third Edition provides a practical introduction to the significant legal topics and questions affecting construction industry professionals. General contractors, subcontractors, owners, and surety bond agents will turn to this updated edition of the bestselling guide again and again for:

- Information on intrastate licensure and practice Advice on "Best Value" source selection and alternative project delivery systems
- Recent trends in claim resolution, including recovery of compensation for delays, extra work, and differing site conditions
- Expanded coverage on industry safety and environmental issues, including the latest information on project safety, indemnity, mold risks, and insurance coverage issues
- Helpful "Points to Remember" summarizing important concepts and useful "Checklists" make concepts easy to implement in real-world practice
- Advice on successfully managing employment issues in the construction industry
- Complete

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with a CD-ROM containing over 180 sample contracts and documents from AIA, AGC, and EJCDC, Smith, Currie & Hancock's Common Sense Construction Law, Third Edition is an invaluable reference for industry professionals whose jobs rely on their ability to avoid unwelcome legal surprises that can cripple a project or kill a business.

How you can make your construction company more profitable. A 'must read' before you price your next project. Many construction companies fail despite the hard work and knowledge of their managers and owners. Some companies even start well, earning good profits, building successful projects, and the company grows - only for it all to come crashing down, often leaving a mountain of debts behind. So why do construction companies fail? Is it due to bad luck? This book explores important aspects of managing a construction company that impact its success and profitability. Obviously managers should have an understanding of running a business as well as the appropriate technical skills. But, it's usually more than this. The chapters in this book focus on the importance of selecting the right project, how to find projects, tendering correctly, winning the project, delivering the project, avoiding unnecessary costs, increasing revenue, financial and contractual controls, managing the company, the importance of good people, growing the company and ensuring the company has a good reputation. The chapters are set out in an easy to read format, filled with practical tips, which provide a step-by-step guide to growing profits, remaining profitable and running a successful

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construction company.

Now in its second edition, this publication gives readers a broad and basic understanding of the key issues for each International Accounting Standard. It summarizes each standard, providing a quick reference for managers and executives in the private and public sectors who may not have a strong background in accounting. Each chapter also contains a case study that illustrates the practical application of key concepts in a particular standard. This gives the non-technical reader the tools to participate in discussions on the appropriateness or application of a standard in a given situation. The reader can also evaluate the effect that applying a given standard will have on the financial results and position of a division or an entire enterprise.

Federal Construction Law for Construction Professionals
Any firm intent on benefitting from the boom in federal government construction contracts must navigate an increasingly complicated and demanding set of laws, regulations, and practices that govern these projects and the contractors performing them. To help guide you through this maze, here is the updated edition of the easy-to-understand guide to the practical reality of these special requirements, and how managers and owners of construction industry firms can use them to effectively avoid pitfalls on current projects and compete successfully for new projects. Smith, Currie & Hancock's Federal Government Construction Contracts, Second Edition walks the reader through actual federal contracts, highlights critical clauses, and simplifies governmental and legal jargon to provide ease of use by the

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nonlawyer. Updates to this Second Edition include: Coverage of the newly enacted American Recovery and Reinvestment Act of 2009 Specifics of federal government grants to state and local public construction contracts New insights on Design-Build, Early Contractor Involvement (ECI), BIM, Green Construction, and Web-based project management techniques used by the federal government A revised look at the increasingly detailed business ethics and compliance program requirements for contractors and subcontractors as mandated by the federal government for its contractors A unique Web site at www.wiley.com/go/federalconstructionlaw provides the user with a Table of Acronyms and Terms commonly found in federal government contracts, an extensive list of Web sites of interest to federal government construction contractors, checklists, sample forms, as well as specifications related to innovations in project delivery By making transparent the many rights, risks, and legal responsibilities involved in a federal government construction project, Smith, Currie & Hancock's *Federal Government Construction Contracts, Second Edition* provides construction industry professionals—from general contractors, subcontractors, and designers to surety bond agents—with the insight and understanding they need to avoid problems and run a successful project from start to finish. Provides a practical framework and toolkit for improved construction project outcomes based on trust and collaboration This book explores the concept of trust as a tool in improved construction procurement strategies,

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and provides important insight into the influence of trust on the success of construction projects and redevelopment programs. It is a practical guide that offers readers a solid outline and expert strategies for improving project outcomes through collaboration—ultimately proving that teamwork can really make the dream work. *Building Collaborative Trust in Construction Procurement Strategies: A Practical Guide* incorporates a toolkit, complete with flowcharts, to introduce certain trust building interventions within projects. It shows how initiatives and factors that influence collaborative trust can be easily implemented and embedded in construction management for improved practice. It also covers potential challenges, risks, problems, and barriers when it comes to trust. In addition, the book looks at the influences for collaborative trust in the construction industry as well as implications in practice for it in construction. It finishes by looking at the future of collaborative trust in construction procurement. Teaches the importance and influence of trust on collaborative working and partnerships principles Examines to what extent trust within collaborative working arrangements influences the success of collaborative working practices Covers the effect that certain factors and trust building mechanisms have on collaborative working and partnerships and how they can be embedded into procurement of projects Discusses what constitutes best practice and how trust in collaborative procurement practices influences the success of construction projects *Building Collaborative Trust in Construction Procurement Strategies: A*

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Practical Guide is an excellent book for construction management professionals, including clients, consultants, and contractors. It will also serve as a helpful text for undergraduate and postgraduate students and academics.

Offers information from selected transit agencies about the underlying causes of construction disputes and practices in use today to identify and resolve them before they become formal claims. The synthesis focuses on avoidance and resolution of disputes, examines ways of settling disputes at their inception, and considers the experiences of the transit industry in the use of alternative dispute resolution techniques.

Calculating construction damages can be complex and confusing. Written by recognized experts in the area of construction claims, Aspen Publishersand' Calculating Construction Damages is a one-of-a-kind resource providing step-by-step guidelines for valuing a claim and calculating damages. Calculating Construction Damages keeps you completely up-to-date with the changes in the construction industry, and provides new and updated coverage on: Reductions in scope through deductive changes The meaning and explanation of acceleration The use of the actual cost method and the total cost method to calculate damages The effectiveness of expanding on productivity analysis. The definition of home office overhead costs and the use of the Eichleay formula. The most recent assessment of attorneysand' fees on Miller Act claims Only Aspen Publishersand' Calculating Construction Damages leads you through every step you need to take in order to reach an

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accurate assessment of construction damages.

Complete coverage includes: General Principles of Damage Calculation Labor Costs Equipment and Small Tool Costs; Additional Equipment Costs Material Costs Bond and Insurance Costs Home Office Overhead Calculating Construction Damages is organized by type of damage rather than type of claim. Its clear, mathematical techniques will enable you to value any claim and accurately calculate damages.

Cut through the legalese to truly understand construction law Smith, Currie & Hancock's Common Sense

Construction Law is a guide for non-lawyers, presenting a practical introduction to the significant legal topics and questions affecting the construction industry. Now in its fifth edition, this useful guide has been updated to reflect the most current developments in the field, with new information on Public Private Partnerships, international construction projects, and more. Readers will find full guidance toward the new forms being produced by the AIA, AGC, and EJDC, including a full review, comparison to the old forms, areas of concern, and advice for transitioning to the new forms. The companion website features samples of these documents for ease of reference, and end of chapter summaries and checklists help readers make use of the concepts in practice. The updated instructor support material includes scenario exercises, sample curriculum, student problems, and notes highlighting the key points student responses should contain. Construction is one of the nation's single largest industries, but its fractured nature and vast economic performance leave it heavily dependent upon

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construction law for proper functioning. This book is a plain-English guide to how state and federal law affects the business, with practical advice on avoiding disputes and liability. Understand construction law without wading through legal theory Get information on an emerging method of funding large-scale projects Parse the complexities presented by international and overseas projects Migrate to the new AIA, AGC, and EJDC forms smoothly and confidently This book doesn't cover legal theory or serve as a lawyer's guide to case law and commentary – its strength is the clear, unaffected common-sense approach that caters to the construction professional's perspective. For a better understanding of construction law, Smith, Currie & Hancock's Common Sense Construction Law is an efficient reference.

Follow the Path to Success in Federal Construction Contracting Opportunities abound in federal government construction contracting, but the devil is in the details. Companies performing work for the federal government must plan and operate based on very specific guidelines and regulations. Knowing how to work within those strict parameters makes the difference between success and failure. Federal Construction Contracting Made Easy is your road map to successfully identifying, planning, and completing government construction projects. This book guides you in finding opportunities, preparing winning proposals, and staying in compliance on construction projects. It is the one resource you will need to work in this competitive arena. The book provides guidance on:

- Understanding the Federal Acquisition Regulation and knowing when and how to use it for your benefit and

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protection • Preparing quality control and safety programs that comply with federal regulations and processes • Determining when a change order is required and how to price and properly process • Identifying a claim and knowing how to process it

Federal Construction Contracting Made Easy is an invaluable resource for construction firms, architect/engineer firms, subcontractors, and vendors that want to do business with the federal government. Plus! A handy glossary of terms is included. Bonus: Federal Construction Contracting Made Easy: A Field Guide to the FAR is available as a supplement for project superintendents.

A straightforward description providing readers with a guide to contract law as it relates to construction contracting. Thoroughly explains when a lawyer may or may not be needed and offers guidance for working with one. Prior notice provisions, no damage for delay clauses and conditional payment provisions are among the topics covered. Includes hundreds of actual construction cases.

Covering all aspects of the design-build delivery system, this valuable guide presents the pros and cons and compares them with the traditional project delivery method. You'll learn how to easily navigate the thicket of licensing considerations, evaluate bonding and insurance implications, and analyze the performance guarantees of the design-build concept. You also get practical suggestions for effective drafting of design-build contracts.

Written by experienced and innovative projects lawyer

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Arent van Wassenaer, this book explains what the critical success factors are for construction projects to be completed on time, within everyone's budget, to the right quality, with all stakeholders satisfied and without disputes. In so doing, van Wassenaer discusses how such projects could be structured, tendered for, executed and completed, and what legal and non-legal mechanisms are available to achieve success in construction projects. Using examples of real projects, *A Practical Guide to Successful Construction Projects* provides tools for those in leading and managerial positions within the construction industry to change – where necessary – their usual operational methods into methods which are aimed at achieving project success. **A MUST-HAVE, PRACTICAL GUIDE THAT CONNECTS SCHEDULING AND CONSTRUCTION PROJECT MANAGEMENT** In *A Contractor's Guide to Planning, Scheduling, and Control*, an experienced construction professional delivers a unique and effective approach to the planning and scheduling responsibilities of a construction project manager, superintendent, or jobsite scheduler. The author describes the complete scheduling cycle, from preconstruction and scheduling through controls and closeout, from the perspective of real-world general contractors and scheduling professionals. Filled with tools and strategies that actually help contractors build projects, and light on academic jargon and terminology that's not used in the field, the book includes examples of real craft workers and subcontractors, like electricians, carpenters, and drywallers, to highlight the concepts discussed within.

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Finally, an extensive appendix rounds out the book with references to additional resources for the reader. This comprehensive guide includes: Thorough introductions to construction contracting, lean construction planning, subcontractor management, and more A comprehensive exploration of a commercial case study that's considered in each chapter, connecting critical topics with a consistent through line End-of-chapter review questions and applied exercises Access to a companion website that includes additional resources and, for instructors, solutions, additional case studies, sample estimates, and sample schedules Perfect for upper-level undergraduate students in construction management and construction engineering programs, A Contractor's Guide to Planning, Scheduling, and Control is also an irreplaceable reference for general contractors and construction project management professionals.

A practical, hands-on guide to real-world construction estimating How to Estimate with RSMeans Data is the only instructional book on construction cost estimating that uses the most popular source of construction cost data, RS Means. This updated fifth edition includes new coverage on the role of Building Information Modeling (BIM) in the estimating process, and over 300 sample problems and exercises that show you how to apply cost data to your building project based on the RS Means 2015 Building Construction Cost Data. The companion website provides access to RS Means CostWorks data, allowing you to use real-world numbers in your practice estimates, and the included Instructor's Manual provides step-by-step solutions to problems in the book. Focused

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on the practical aspects of estimating, this book emphasizes the application of estimating techniques—which are transferable to any estimating software—through 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.

A well-written, hands-on, single-source guide to the professional practice of civil engineering There is a growing understanding that to be competitive at an international level, civil engineers not only must build on their traditional strengths in technology and science but also must acquire greater mastery of the business of civil engineering. Project management, teamwork, ethics, leadership, and communication have been defined as essential to the successful practice of civil engineering by the ASCE in the 2008 landmark publication, Civil Engineering Body of Knowledge for the 21st Century (BOK2). This single-source guide is the first to take the

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practical skills defined by the ASCE BOK2 and provide illuminating techniques, quotes, case examples, problems, and information to assist the reader in addressing the many challenges facing civil engineers in the real world. Civil Engineer's Handbook of Professional Practice: Focuses on the business and management aspects of a civil engineer's job, providing students and practitioners with sound business management principles Addresses contemporary issues such as permitting, globalization, sustainability, and emerging technologies Offers proven methods for balancing speed, quality, and price with contracting and legal issues in a client-oriented profession Includes guidance on juggling career goals, life outside work, compensation, and growth From the challenge of sustainability to the rigors of problem recognition and solving, this book is an essential tool for those practicing civil engineering.

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780471449881 .

This completely updated version contains a greater depth and breadth of subject matter coverage. Devotes more attention to recent developments in such areas of construction contracting as estimating, bidding, insurance, contracts, business techniques, labor law and

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labor relations. Features samples of important AIA, CSI, AGC and AAA documents including reference sources and cost information.

The definitive contracting reference for the construction industry, updated and expanded Construction Contracting, the industry's leading professional reference for five decades, has been updated to reflect current practices, business methods, management techniques, codes, and regulations. A cornerstone of the construction library, this text presents the hard-to-find information essential to successfully managing a construction company, applicable to building, heavy civil, high-tech, and industrial construction endeavors alike. A wealth of coverage on the basics of owning a construction business provides readers with a useful "checkup" on the state of their company, and in-depth exploration of the logistics, scheduling, administration, and legal aspects relevant to construction provide valuable guidance on important facets of the business operations. This updated edition contains new coverage of modern delivery methods, technology, project management, plus sample contracts and documentation. The field of construction contracting comprises the entire set of skills, knowledge, and conceptual tools needed to successfully own or manage a construction company, as well as to undertake any actual project. This book gives readers complete, up-to-date

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information in all of these areas, with expert guidance toward best practices. Learn techniques for accurate cost estimating and effective bidding Understand construction contracts, surety bonds, and insurance Explore project time and cost management, with safety considerations Examine relevant labor law and labor relations techniques Between codes, standards, laws, and regulations, the construction industry presents many different areas with which the manager needs to be up to date, on top of actually doing the day-to-day running of the business. This book provides it all under one cover - for the project side and the business side, Construction Contracting is a complete working resource in the field or office.

A thoroughly updated edition of the classic guide to project management of construction projects For more than thirty years, Construction Project Management has been considered the preeminent guide to all aspects of the construction project management process, including the Critical Path Method (CPM) of project scheduling, and much more. Now in its Sixth Edition, it continues to provide a solid foundation of the principles and fundamentals of project management, with a particular emphasis on project planning, demonstrated through an example project, along with new pedagogical elements such as end-of-chapter problems and questions and a full suite of instructor's resources.

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Also new to this edition is information on the Earned Value Analysis (EVA) system and introductory coverage of Building Information Modeling (BIM) and Lean Construction in the context of project scheduling. Readers will also benefit from building construction examples, which illustrate each of the principles of project management. This information, combined with the case studies provided in the appendix, gives readers access to hands-on project management experience in the context of real-world project management problems. Features two integrated example projects—one civil and one commercial—fully developed through the text. Includes end-of-chapter questions and problems. Details BIM in scheduling procedures, Lean Construction, and Earned Value Analysis, EVA. Provides teaching resources, including PowerPoint slides, interactive diagrams, and an Instructor's Manual with solutions for the end-of-chapter questions. Construction Management and Civil Engineering students and professionals alike will find everything they need, to understand and to master construction project management in this classic guide.

This book is a step-by-step practical guide on how to achieve successful projects in EPC/turnkey contracting and construction. Mapping out the shape of a project, the book spells out where things often go wrong, where and why disputes arise, and how to

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avoid conflicts. It is a key reference point for all involved in the contract, making it attractive to legal practitioners, construction industry professionals, and government officials involved with these projects.

Practical Guide to Construction Contract Surety Claims, Second Edition provides clear guidance on the methods, procedures and case law surrounding the surety process. Whether you represent the surety, principal, or obligee, this one-of-a-kind reference will provide you with the indispensable, practical guidance and reliable tools you need to manage the surety process. Practical Guide to Construction Contract Surety Claims, Second Edition is logically organized around the various types of bonds - payment bond, bid bond, performance bond - as well as the claims that are asserted against those bonds, and the methods of investigation and resolution of those claims. It covers in detail the surety's options for resolving performance bond claims, including: Tender Completion by the obligee Completion by surety Financing the principal This book also addresses matters that affect the claims handling process, such as: Bankruptcy of the principal Claims for extra-contractual damages Claims by the surety against the principal Indemnity for losses sustained by the surety The interrelationship of the surety and the insurance carriers for the construction project Valuable analysis

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of case law is included within the discussion of each topic, and the relevant facts of key cases are highlighted where applicable. Bonus Interactive CD-ROM Includes All Forms and Documents This unique CD-ROM contains nearly 150 forms, such as sample agreements and correspondence among the parties, providing the guidance you need to act quickly and protect your client's interests in any situation.

Management of Construction introduces all aspects of management practice to students and professionals based in the construction industry. It is also important for those involved in allied fields such as design, project development, and site monitoring and inspection. The book addresses each stage of the construction project from conception to completion, giving a perspective on the whole life cycle often missing from textbooks. The author also balances engineering concerns with the human resource and personal aspects of construction management that are so important to the successful outcome of a project.

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