Construction Planning and Scheduling 4th Edition

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This text covers a wide range of subjects, reflecting the breadth of knowledge needed to understand the dynamics of this large and complex industry. This text will prepare you for both the real world and the university classroom. It is based on the premise that a firm foundation is needed to understand the application of critical path and related techniques and that this foundation is best provided through a clear understanding of the principles on which these techniques are based. The text begins with introducing concepts of the construction industry to provide the necessary foundation and background for understanding the dynamics of the construction process. It then thoroughly addresses the latest developments in materials and systems of construction, insulating concrete forms, light-gauge steel frame, panelized construction, and a new chapter on multifamily construction. Topics covered include: wood light-frame construction, industrialized systems of construction, building information modeling (BIM), project management software, and more. The text is designed for both professionals and students in the construction industry, and is based on the premise that a firm foundation is needed to understand the application of critical path and related techniques and that this foundation is best provided through a clear understanding of the principles on which these techniques are based. The text begins with introducing concepts of the construction industry to provide the necessary framework and background, then fully discusses planning and scheduling topics in detail. It offers extensively reviewed coverage on the most current version of SureTrak Software, thorough coverage of manual scheduling and critical path scheduling, and current coverage of key trends and best practices in project management.

Construction Planning and Scheduling 4th Edition is an updated and revised edition of the standard work on the use of critical path methods (CPM) in the construction industry. This Fourth Edition describes the tools and methods that make projects run smoothly, with invaluable insights from a noted career construction professional. Construction Project Scheduling and Control, Fourth Edition offers construction professionals a comprehensive framework for controlling construction projects. It explains: the new Scheduling Practice Paradigm: terminology, specialties, roles, and deliverables; how dilemma forecasting can help you predict delays and other challenges; the new focus on project performance: best practices and how to put them to work; and much more. The book includes numerous new case studies drawing on real-life situations to demonstrate how different methods can be applied to improve project performance. The text is designed for professionals and students in the construction industry, and is based on the premise that a firm foundation is needed to understand the application of critical path and related techniques and that this foundation is best provided through a clear understanding of the principles on which these techniques are based. The text begins with introducing concepts of the construction industry to provide the necessary framework and background, then fully discusses planning and scheduling topics in detail. It offers extensively reviewed coverage on the most current version of SureTrak Software, thorough coverage of manual scheduling and critical path scheduling, and current coverage of key trends and best practices in project management. The new Scheduling Practice Paradigm is explained: terminology, specialties, roles, and deliverables; how dilemma forecasting can help you predict delays and other challenges; the new focus on project performance: best practices and how to put them to work; and much more. This 4th Edition of Harold Kerzner's Project Management Case Studies features a number of new cases covering value measurement in project management. Also included is the well-received “super case,” which covers all aspects of project management and may be used as a capstone for a course. This new edition: 

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