



# CPM in Construction Management, Eighth Edition (P/L Custom Scoring Survey)

*By James O'Brien, Fredric Plotnick*

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Plan, schedule, and manage construction projects using the critical path method (CPM) and the practical information contained in this thoroughly revised book. Written by two experienced engineers and authors, CPM in Construction Management, Eighth Edition, explains the evolution of CPM and fully covers the latest techniques, standards, and tools. The “John Doe” case study is used throughout to illustrate important functions, including acquiring and building the logic plan, navigation and best use of multiple software products, updating, cost control, resource planning, and delay evaluation.

This updated, hands-on guide shows how CPM:

- Works?and how to make it work for you
- Serves as the analytical tool of choice for evaluation, negotiation, resolution, and/or litigation of construction claims
- Cuts costs in a one-person operation or the most complex multinational enterprise
- Helps you stay on top of every aspect of complicated projects
- Saves big money in delay avoidance, accurate cost predictions, and claims reductions
- Multiplies the effectiveness of your instincts, experience, and knowledge
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## **Editorial Review**

### **About the Author**

James J. O'Brien, PE, PMP, CVS, was vice chair of the board of O'Brien-Kreitzberg & Associates, Inc., the construction management firm that handled the renovation of San Francisco's cable car system. He was also the program manager for the redevelopment of JFK International Airport. Mr. O'Brien is the author or editor of many other books, including [italics start]Contractor's Management Handbook,[italics end] Second Edition; [italics start]Construction Management: A Professional Approach; Value Analysis in Design and Construction;[italics end] and [italics start]Scheduling Handbook,[italics end] all published by McGraw-Hill. He is a registered Professional Engineer in New York, New Jersey, Pennsylvania and many other states. Mr. O'Brien is a Fellow of the American Society of Civil Engineers, the Project Management Institute, the Construction Management Association of America and the Society of American Value Engineers International. He is also an active member of the Association for the Advancement of Cost Engineering International. Mr. O'Brien is a charter member and a vice president of the PMI College of Scheduling.

Fredric Plotnick is an Adjunct Professor of Engineering in the departments of Engineering Management, Civil Engineering, and Construction Management at Drexel University's Philadelphia Pennsylvania Campus, where he has taught Engineering Law, Contracts Specifications and Law, Techniques of Project Controls, Project Scheduling and several other subjects since 1979. He has also maintained a consulting practice, Engineering and Property Management Consultants, Inc., since 1983, having previously worked for several contracting, consulting and engineering design firms. Professor Plotnick is a graduate of Drexel University College of Engineering, having a BSCE in Soil and Foundation Engineering and an MSCE in Construction Management, followed by a JD from Widener University School of Law, and returning to Drexel for his PhD in Civil Engineering. He is the co-author of CPM in Construction Management, fifth, sixth and seventh editions, also by McGraw-Hill, and numerous industry publications and presentations. Professor Plotnick is also the developer of the RDM (Relationship Diagramming Method) variant of CPM Planning and Scheduling Analysis which is currently being adopted by software vendors such as Oracle/Primavera starting with the high end, risk analysis product, Pertmaster (version 8.2 et seq.)

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