



# CPM in Construction Management (Pro Engineering)

*James O'Brien, Fredric Plotnick*

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- Perfect for PSP certification
- On the CD-ROM: CPM software updates
- New case studies, on CD and in text
- Added in-depth coverage of Primavera(tm)

## **ACCELERATE WITH CPM -- AND THIS LEADING GUIDE TO CONSTRUCTION PLANNING AND SCHEDULING**

Widely used to network schedules effectively, critical path management (CPM) has become a powerful catalyst for fail-safe construction project design and management. And when it comes to applying CPM to day-in, day-out construction situations, this guide is the one you'll want to have. Written by the former vice chair of the celebrated construction management firm that renovated San Francisco's cable car system and redeveloped New York's JFK Airport, and by one of America's leading construction scheduling experts, the Sixth Edition of *CPM in Construction Management* arms you with more glitch-busting tools than ever for smooth handling of complex jobs.

This highly informative, highly useful book shows you how CPM:

- Works -- and how to make it work for you
- Serves as the analytical tool of choice for the 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 you big money in delay avoidance, accurate cost predictions, and claims reduction
- Multiplies the effectiveness of your instincts, experience, and knowledge
- Explains how to fully and properly utilize the power of leading scheduling software such as Primavera(tm)

With case studies of major construction projects around the world and a "John Doe" example project that's followed throughout, this book goes a long way in simplifying your application of CPM. From cutting project time up to 40 percent, to advanced gains from computer programs; from assessing critical deliveries, to courtroom evidentiary value -- this updated classic is the construction tool that makes everything around you work better, faster, and more economically.

### **Expedite CPM -- and Your Projects**

Fundamentals of CPM \* Event time computations \* Activity time computations \* Procurement \* Preconstruction \* The CPM schedule \* Preparation of CPM network \* CPM by computer \* Monitoring project progress \* CPM and cost control \* Equipment and work force planning \* Precedence networks \* Computer programs and systems \* Applications and advantages of CPM \* Specifying CPM \* CPM costs \* Case histories \* CPM in claims and litigation

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