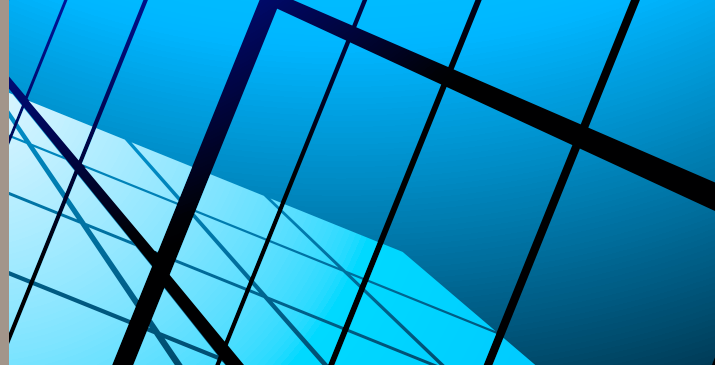


## WHY CHOOSE MBP?

McDonough Bolyard Peck, Inc. is a multi-disciplined construction consulting firm experienced in assisting clients in managing the construction process from initial budget, through design and construction, to successful project closeout. Established in 1989, MBP is recognized by Engineering News-Record as a national Top 100 construction management firm and Top 50 program management firm.

- **TEAMWORK** — MBP's team will complement yours
- **QUALITY** — MBP is committed to exceeding client expectations
- **HARD WORKING** — MBP exerts the diligence and follow-through needed for successful Risk Management
- **INTEGRITY** — MBP will ask hard questions and give its honest insights
- **FORWARD LOOKING** — MBP will bring the latest tools and skills to the effort
- **COMMUNITY** — MBP understands that the project does not exist in isolation



## OFFICE LOCATIONS

### GEORGIA

Atlanta  
866-716-6301

### FLORIDA

Tampa  
813-903-2333

### MARYLAND

Columbia  
800-579-3903

### NEW YORK

New York City  
212-964-4338

### NORTH CAROLINA

Raleigh  
866-845-8599

### PENNSYLVANIA

Berwyn  
877-838-1644

### VIRGINIA

Corporate Headquarters  
Fairfax  
800-898-9088

### Chesapeake

757-382-0109

### Richmond

804-330-4875

### Roanoke

800-550-6710

### Williamsburg

888-372-0063



## PROJECT RISK MANAGEMENT

“ For a complex project, formal risk management may be the single most important strategy a project team can adopt. Risk management can help the project stay on time and within budget by focusing attention where it is needed most. ”

- Charles E. Bolyard, Jr., PSP, CFCC  
Chairman & CEO  
McDonough Bolyard Peck, Inc.

[www.mbpcce.com](http://www.mbpcce.com)

Leveraging Construction Expertise  
to Add Program Value

MBP is fully positioned to help clients develop Comprehensive Risk Management Plans for any capital program. Depending on the project need, MBP may implement a Qualitative Risk Management plan, perform a Quantitative Risk Analysis, or execute both. Any project is an investment with inherent risks involved. Let MBP leverage our construction expertise to add value to your construction programs.

## COMPREHENSIVE RISK MANAGEMENT

### 1. Risk Planning

- Define overall objective
- Identify scope and expertise needed

### 2. Risk Identification

- Catalog the risks
- Assess likelihood of occurrence
- Assess severity of an impact

### 3. Risk Analysis

- Qualitative: create risk register and matrix
- Quantitative: perform schedule and cost analysis

### 4. Risk Response Planning

- Avoid
- Transfer
- Mitigate
- Accept
- Set aside resources
- Relieve constraints

### 5. Risk Monitoring and Control

- Review status regularly
- Reassess likelihood and severity

MBP draws upon its construction experience in airport, federal, commercial, healthcare, industrial, higher education, water/waste water, municipal, mass transit, roads and bridges to effectively identify, analyze, mitigate and manage risks for our clients.

## QUALITATIVE RISK MANAGEMENT

MBP's Qualitative Risk Management services assessing the relative risk of possible events, ranking them into low, medium, or high categories based upon their likelihood of occurrence and impact to the project. Attention is then focused on the resulting priorities, which are often tracked using a risk register and monitored throughout the project.

### SAMPLE PROJECT MASTER RISK REGISTER

Clr	Code	Status	Id	Title	Meeting Date	Action Officer
<b>Red Alert Risk Items</b>						
<b>Near Term</b>						
■	Open	121	Floor Stone Installation	8/8/2006	Dan	
■	Open	118	Schedule Management	8/8/2006	Jim	
<b>Mid Term</b>						
■	Open	262	Fire/Life Safety Test	8/8/2006	Bill	
■	Open	115	Truck Stacking	8/8/2006	Dan	
<b>Yellow Alert Risk Items</b>						
<b>Near Term</b>						
■	Open	235	Installation of Security Systems	8/8/2006	Frank	
■	Open	152	Manpower	8/8/2006	Ted	
<b>Mid Term</b>						
■	Open	292	Dust-Free Environment in EG	8/1/2006	Gary	
<b>Blue Alert Risk Items</b>						
<b>Near Term</b>						
■	Open	211	Architect's Special Instructions	7/25/2006	Tim	
■	Open	271	Safety	8/1/2006	Chris	
■	Open	175	Expansion Space Construction	8/1/2006	Frank	
■	Open	280	Escalator Installation	8/1/2006	John	
■	Open	191	Embedded Casework Installation	8/1/2006	Kate	
<b>Mid Term</b>						
■	Open	289	Tenant Design Change Requests	8/1/2006	Frank	
■	Open	174	Quality Control	8/1/2006	Argie	
■	Open	245	Training of Operational Personnel	8/1/2006	Carlos	

COLOR INDEX				
Probability	21 - 40	41 - 60	61 - 80	81 - 100
Impact	Unlikely	Possible	Likely	Almost Certain
High	Blue	Yellow	Red	Red
Med	Green	Blue	Yellow	Red
Low	Green	Green	Blue	Yellow

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## QUANTITATIVE RISK ANALYSIS

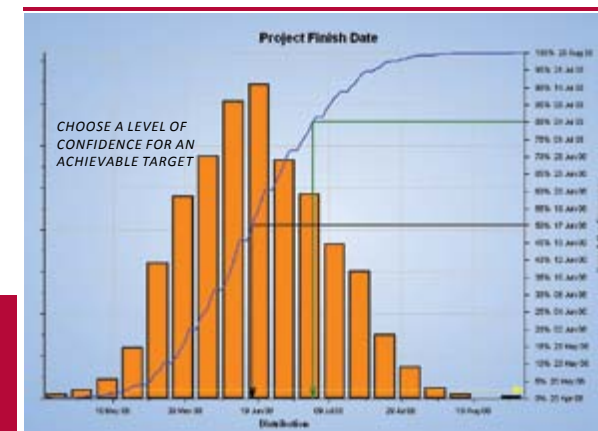
MBP performs Quantitative Risk Analysis to evaluate two key parameters of the project:

**What is the probability that the project will be implemented within the budget?**

MBP's ability to answer this question by performing quantitative risk analysis can guide the client in reserving appropriate contingency funds. If the budget is strictly limited, MBP can help the client assess cost-saving strategies to stay within budget.

**What is the probability that the project will meet its deadlines?**

MBP can help the client set realistic project milestones. If the risk analysis shows a low probability of meeting the preferred deadline, this information gives the project team an opportunity to consider options in deciding a schedule contingency plan. A Quantitative Risk Analysis may also help evaluate scenarios and alternatives to achieve the preferred deadlines.



Source: Oracle/Primavera Risk Analysis®

Schedule Risk Analysis