

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. PROJECT TITLE AND LOCATION (CITY AND STATE)

Claims Analysis/Dispute Resolution Consultant List, Columbus, Ohio

2. ANNOUNCEMENT DATE

March 4, 2011

3. PROJECT NUMBER

DAS-11D888

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. PROJECT REPRESENTATIVE NAME AND TITLE

Christopher J. Payne, Senior Vice President/Regional Manager

5. PRESIDENT/CEO

Blake V. Peck, PE, CCM, President and Chief Operating Officer

6. NAME OF FIRM

MBP

7. TELEPHONE NUMBER

703-641-9088

8. FAX NUMBER

703-641-8965

9. E-MAIL ADDRESS

cpayne@mbpce.com

10. COUNTY

Fairfax County

11. FTID NUMBER

██████████

12. WEB ADDRESS

www.mbpce.com

C. PROPOSED TEAM

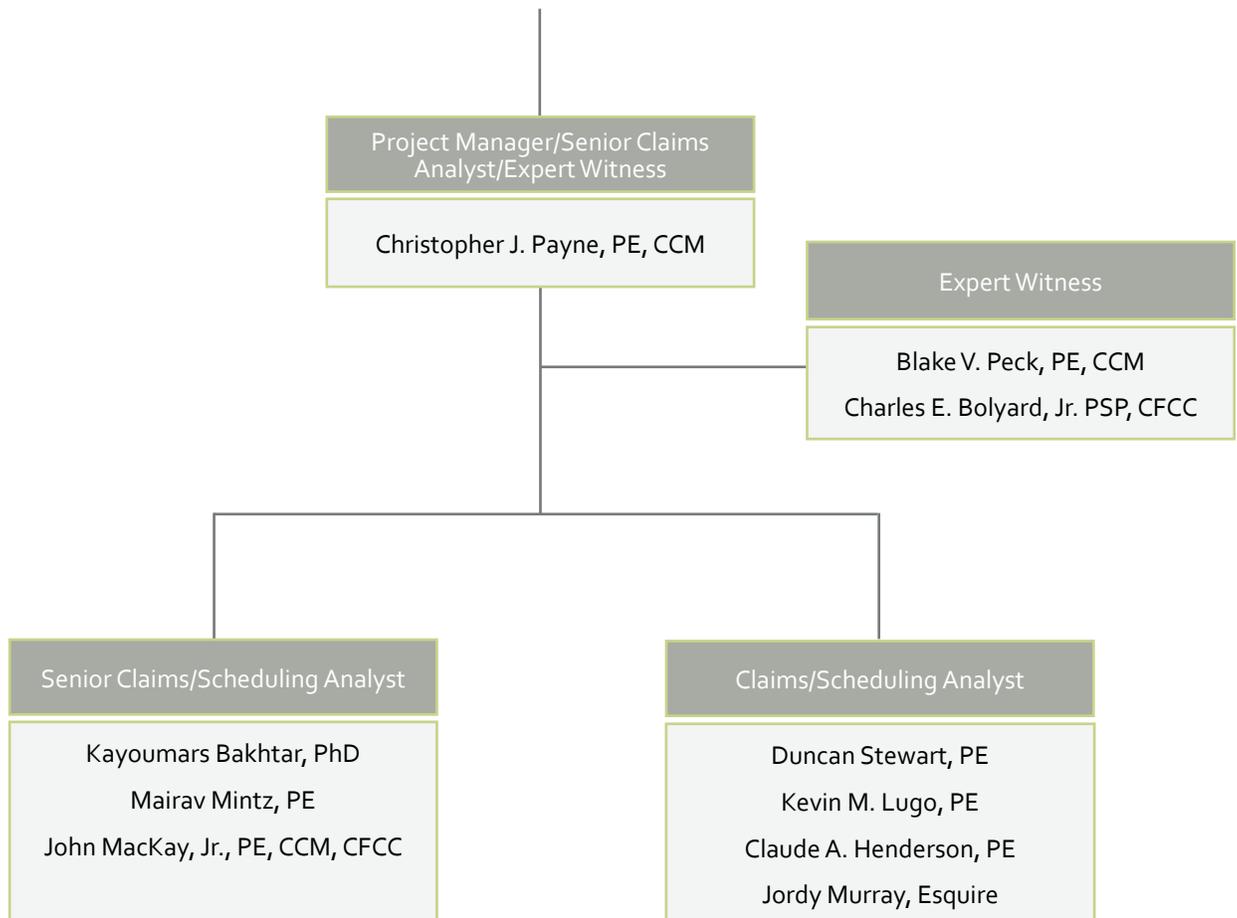
(Complete this section for the prime contractor and all key subconsultants)

a.	(Check)				13. FIRM NAME	14. ADDRESS	15. ROLE IN THIS CONTRACT
	PRIME	JV	PARTNER	SUBCON-TRACTOR			
X					MBP <input type="checkbox"/> CHECK IF EDGE CERTIFIED	Williams Plaza I 3040 Williams Drive Suite 300 Fairfax, VA 22031 <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE _____ MILES FROM PROJECT SITE	Claims, delay analysis
b.					<input type="checkbox"/> CHECK IF EDGE CERTIFIED	<input type="checkbox"/> CHECK IF BRANCH OFFICE	
c.					<input type="checkbox"/> CHECK IF EDGE CERTIFIED	<input type="checkbox"/> CHECK IF BRANCH OFFICE	
d.					<input type="checkbox"/> CHECK IF EDGE CERTIFIED	<input type="checkbox"/> CHECK IF BRANCH OFFICE	
e.					<input type="checkbox"/> CHECK IF EDGE CERTIFIED	<input type="checkbox"/> CHECK IF BRANCH OFFICE	
f.					<input type="checkbox"/> CHECK IF EDGE CERTIFIED	<input type="checkbox"/> CHECK IF BRANCH OFFICE	

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

D. ORGANIZATIONAL CHART OF PROPOSED TEAM



MBP's Technical Staff of over 300 Team Members

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME		17. ROLE IN THIS CONTRACT		18. YEARS EXPERIENCE	
Christopher J. Payne, PE, CCM		Project Manager/Senior Claims Analyst/ Expert Witness		a. TOTAL	b. CURRENT FIRM
				24	18
19. FIRM NAME AND LOCATION (City and State)					
MBP, Fairfax, VA					
20. EDUCATION (DEGREE AND SPECIALIZATION)			21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
BS, Civil Engineering, 1987 ME, Civil Engineering, 1996			Professional Engineer (PE): VA, MD, PA Certified Construction Manager (CCM) Planning & Scheduling Professional (PSP) OSHA 10-Hour Course Construction Safety & Health		
22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
Mr. Payne has more than 23 years experience in construction management and design, with a wide variety of experience including specialized experience in resolution of construction disputes, including analysis of delays. Mr. Payne has provided expert testimony on highway and building disputes.					
23. RELEVANT PROJECTS					
(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED	
Dulles Airport Aero Train System Facilities - Aero Train Systems Contract, Vehicle Maintenance Facility, and West Station Automated People Mover Chantilly, VA				PROFESSIONAL SVCS	CONSTRUCTION
				Ongoing	
a.	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager, led MBP's claims analysis efforts on three major contracts. MBP's efforts have included detailed analyses, time extension recommendations, and overall settlement strategy advice. On the Vehicle Maintenance Facility, Mr. Payne led two separate delay analyses, which led to resolution with the contractor. On the West Station Automated People Mover, Mr. Payne devised the sequential time impact analysis approach jointly performed by MBP and the contractor.					
(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED	
Forest State Correctional Institution Marienville, PA				PROFESSIONAL SVCS	CONSTRUCTION
				2005	
b.	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager/Expert, performed in depth analysis, prepared expert report, and testified at five trials. The \$114 million project included the construction of a new 1,000-cell prison in 10 housing units and supporting facilities for administration, medical, dining, maintenance, education, recreational and vocational space, in addition to a central support plant totaling 700,000 square feet.					
(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED	
Fayette State Prison Luzerne Township, PA				PROFESSIONAL SVCS	CONSTRUCTION
				2008	
c.	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager, reviewed and analyzed performance of the various prime contractors and analyzed claims set forth by 14 prime contractors. Prepared an as-built schedule of project performance and analyzed delay. Prepared expert reports, and participated in mediation hearings to settle claims associated with claimed additional costs for excavation. The project involved the construction of a new 1,000-cell prison, housing up to 2,032 inmates in ten housing units and supporting facilities for administration, medical, dining, maintenance, education, and recreational and vocational space.					
(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED	
CPM Schedule Training Columbus, OH				PROFESSIONAL SVCS	CONSTRUCTION
				2007	
d.	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Executive, responsible for providing CPM scheduling and project management training for ODOT personnel. The presentation included discussion and examples of techniques and examples for developing schedule updates, as well as techniques to review schedule updates both in hard copy and electronically in Primavera Project Planner.					
(1) TITLE AND LOCATION (City and State)				(2) YEAR COMPLETED	
Cleveland Innerbelt, Ohio Department of Transportation Cleveland, OH				PROFESSIONAL SVCS	CONSTRUCTION
				Ongoing	
e.	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Executive, responsible for performing CPM schedule review and analysis for ODOT. The project involves construction of a new bridge for I-90 over the Cuyahoga River Valley. Other critical components include four new bridges, various improvements to ten existing bridges, new alignment for I-90 widening and upgrades to the interchanges.					

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Duncan Stewart	Scheduling Analyst	14	12

19. FIRM NAME AND LOCATION (City and State)
MBP, Williamsburg, VA

20. EDUCATION (DEGREE AND SPECIALIZATION)	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
BS, Civil Engineering, 1997	Professional Engineer/Civil: VA OSHA 10-Hour Course Construction Safety & Health

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Stewart has more than 14 years of hands-on management of building, utility, highway, and bridge construction and maintenance projects. His projects also have included education, federal, marine, airport and mixed-use facilities. Mr. Stewart has extensive experience in project controls, CPM scheduling, resident engineering, program and project management.

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SVCS	CONSTRUCTION
CPM Training, Ohio Department of Transportation Columbus, OH	Ongoing	
a. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager, provided training program development and delivery. MBP provided Statewide CPM schedule training services for the Ohio Department of Transportation. The training included CPM scheduling, delay analysis and claim analysis and consisted of four courses over 2010 and 2011.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Soldier Support Center Fort Lee, VA	2008	
b. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
As Senior Engineer, responsible for CPM scheduling, baseline schedule and monthly updates and time extension requests including determining delay and entitlement. This 84,000-square-foot building provides training facilities and administrative support for military personnel. Major spaces include an auditorium, five large classrooms, and an administrative office space for over 220 personnel.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
New Kent High School New Kent County, VA	2008	
c. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
As Senior Engineer, provided a review of the contractor's baseline schedule. Reviewed and analyzed the CPM schedule then provided an update to the owner monthly. A new two story, 243,000 square foot high school.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Cleveland Innerbelt, Ohio Department of Transportation Cleveland, OH	Ongoing	
d. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager, reviewed the project site and contract documents in order to develop a complete understanding of the design and construction scope, staging, physical and contractual restraints and to establish mutual expectations for the representation of the project in the form of a baseline schedule. Led MBP's support team and scheduler in reviewing the schedule, reporting our findings and meeting with ODOT and the contractor and analyzed and documented changes to the schedule. The project involves construction of a new bridge for I-90 over the Cuyahoga River Valley. Other critical components include four new bridges, various improvements to ten existing bridges, new alignment for I-90 widening and upgrades to the interchanges.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Chesterfield County Courthouse Chesterfield, VA	2010	
e. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
As Project Manager, provided claims review and delay analysis for entitlement and cost. The project included the four phase renovation and expansion of the Chesterfield County Courthouse which included utility relocations, site work, roadway realignment, construction of a two-story expansion and renovation of existing office and storage areas.		

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Kayoumars Bakhtar, PhD	Senior Claims Analyst	45	21

19. FIRM NAME AND LOCATION (City and State)
MBP, Fairfax, VA

20. EDUCATION (DEGREE AND SPECIALIZATION)	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
PhD, Conflict Analysis and Resolution, 2003 MS, Management, 1980 MS, Business Administration, 1970 BS (Honors), Civil Engineering, 1962	

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Bakhtar has 45 years of diverse construction experience with specialized experience in construction claims and delay analyses. His varied experience in the U.S. and abroad includes buildings, rail transit, heavy construction, refineries, treatment plants, pipelines, pumping stations, tank farms, inland terminal facilities, highways, bridges, and utilities.

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
		PROFESSIONAL SVCS	CONSTRUCTION
Vandeburgh Auditorium and Convention Center Evansville, IN	2001		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
a. As Claims Analyst, reviewed as-planned CPM schedule and all schedule updates and conducted analysis of delays for entitlement and cost to the project arising from design, detailing, fabrication and erection of the structural and miscellaneous steel and the performance of steel fabricator subcontractor. The \$34 million project involved selective demolition and reconstruction of the existing auditorium and convention center.			
Fayette State Prison Luzerne Township, PA	2008		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. As Senior Claims Analyst, performed in-depth analysis of claim issues for all claims. Developed opinions and demonstrative exhibits supporting expert opinions. Participated in mediation. The project involved the construction of a new 1,000-cell prison, housing up to 2,032 inmates in ten housing units and supporting facilities for administration, medical, dining, maintenance, education, and recreational and vocational space, in addition to a central support plants totaling 700,000 square feet.			
Forest State Correctional Institution Marienville, PA	2005		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. As Project Manager, performed in depth claims analysis for entitlement and cost. This project was developed within a secure perimeter in a campus arrangement. Administration, central plant and staff residence buildings were constructed outside the secure perimeter. Project included extensive site work, including cuts of hills of up to 80 feet in height. Project was contracted through 33 separate prime contracts totaling approximately \$114 million.			
Aero Train System at Main Terminal Station, Dulles International Airport Chantilly, VA	2010		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. As Senior Claims Analyst, reviewed contractor claim submittals, schedules, project correspondence, and other project information; led development of a summary level delay analysis regarding the completion of train infrastructure and the commissioning and testing of the system; briefed MWAA staff as to potential liability exposure; and provided time extension settlement recommendations. This project involved construction of the Aero Train infrastructure system.			
Seneca Correctional Facility Seneca, MD	2004		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. As Claims Analyst, reviewed available project records, developed detailed schedule analysis, prepared issue books with detailed issue chronologies, evaluated claim issues and provided construction manager with assessment of potential exposure. The project involved the multi-prime construction of a new \$58 million, 304,000-square-foot medium security correctional facility, including 900 beds and 512 cells.			

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Mairav R. Mintz, PE	Senior Claims/Scheduling Analyst	20	18

19. FIRM NAME AND LOCATION (City and State) MBP, Columbia, MD
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20. EDUCATION (DEGREE AND SPECIALIZATION)	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
JD, Construction Law, 1999 MS, Geotechnical Engineering, 1992 BS, Civil Engineering, 1991	Professional Engineer/Civil: VA

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Ms. Mintz brings more than 17 years of experience to the team, providing a wide range of services including: construction inspection and monitoring, cost estimating, critical path method CPM scheduling, delay analysis, and claims analysis and evaluation. Her impressive list of projects includes subway, highway, bridge, building, plant, and other heavy construction. She possesses specialized experience in geotechnical engineering including: evaluation, testing, design, and rehabilitation of pavements; development of pavement management programs for roadway networks; and soils testing and analysis.
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23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
		PROFESSIONAL SVCS	CONSTRUCTION
National Defense University, Lincoln Hall Change Order Review Fort McNair, DC	2006		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
a. As Claims Analyst on behalf of U.S. Army Corps of Engineers, provided an independent analysis and evaluation of a request for time extension submitted by the design-builder for a nearly \$40 million change in the project scope. Specific recommendations were necessary to evaluate the request for time extension by the contractor and advice on a negotiation strategy for the owner. area, food service, and network operations center in addition to classrooms and staff offices.			
Overseas Building Operations, U.S. Department of State Various Locations, Worldwide	2006		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
b. As CPM Scheduler, provided schedule review and analysis services on behalf of the Overseas Building Operations office for construction of new U.S. embassy facilities. Projects included new Embassy complexes in Nigeria, Hungary, Germany, Afghanistan, and Tajikistan.			
Center for Advanced Research in Bio-technology II (CARB II), University of Maryland Rockville, MD	2011		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
c. As Claims Analyst, reviewed and analyzed the schedule and claims and provided mediation support to the State Office of the Attorney General. The \$52.2 million project involved the construction of a new 139,000-gross-square-foot laboratory facility including classrooms, and seminar and conference space at the University of Maryland Shady Grove campus. This task was issued under MBP's term contract with the University of Maryland, College Park and its service center institutions.			
Dallas Convention Center Dallas, TX	2004		2004
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
d. As Scheduler, performed schedule analysis for contractor's delay claims. The project included construction of a new office building, general services offices and associated maintenance and warehouse facilities; vehicular and pedestrian access control facilities; parking; and on site housing.			
Seneca Correctional Facility Seneca, MD	2004		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
e. As Claims Analyst, assisted construction manager in defense of claims by the owner. Reviewed available project records, developed detailed schedule analysis, prepared issue books with detailed issue chronologies, evaluated claim issues, and provided construction manager with assessment of potential exposure. The project involved the multi-prime construction of a new \$58 million, 304,000-square-foot medium security correctional facility, including 900 beds and 512 cells.			

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Blake V. Peck, PE, CCM	Expert Witness	33	21

19. FIRM NAME AND LOCATION (City and State)
MBP, Fairfax, VA

20. EDUCATION (DEGREE AND SPECIALIZATION)	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
MS, Civil Engineering, Construction Management, 1978 BS, Civil Engineering, 1977	Professional Engineer/Civil: PA, MD, TN, KY, NC, OR, NJ, SC, Certified Construction Manager (CCM)

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Peck has more than 33 years experience of CPM scheduling, construction management, cost estimating, and contract administration on building, civil, military, and transportation projects. His experience includes a diverse range of claims analysis assignments for owners and contractors.

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
		PROFESSIONAL SVCS	CONSTRUCTION
Dental School Research and Training Facility, University of Maryland Baltimore, MD	2008		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
a. As Principal-in-Charge of this project. MBP developed an evaluation of the mechanical subcontractor's claim for lost productivity, reviewed contemporaneous project records, interviewed key owner personnel, analyzed subcontractor's methodology, and presented findings to the owner. The project involved the construction of a new, ten-story, 360,000-square-foot dental school in downtown Baltimore. The claim was successfully resolved in favor of the University.			
Dallas Convention Center Dallas, TX	2004		
b. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
As Principal-in-Charge, reviewed and evaluated contractor's Request for Equitable Adjustment (REA) for delay and acceleration on behalf of the City of Dallas. The project involved the expansion of the existing convention center to over one million square feet of exhibit space, including a new 203,000 square foot, column-free exhibit hall.			
Seneca Correctional Facility Seneca, MD	2004		
c. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
As Principal-in-Charge, assisted construction manager in defense of claims by owner. Reviewed available project records, developed detailed schedule analysis, prepared issue books with detailed issue chronologies, evaluated claim issues and provided CM with assessment of potential exposure. The \$58 million project involved the construction of a new correctional facility built using multiple-prime contracting mechanisms.			
Greenway Trail Extension Ellicott City, MD	2006		
d. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
As Principal-in-Charge, worked with the Maryland Department of General Services and the Office of the Attorney General to evaluate a \$275,000 delay claim, which is a portion of a larger \$800,000 claim submitted by the general contractor. MBP documented actual performance, compared as-built and as-planned performance, quantified delays, and identified responsibility for delays. The claim was successfully negotiated and settled with MBP's technical assistance.			
Loudoun County Public Schools (LCPS) Administration Building Leesburg, VA	2006		
e. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Principal-in-Charge of analyzing project records to develop a detailed as-built schedule and issue summaries. Assisted the owner in the negotiation of contractor's time extension requests through evaluation of the contractor's time impact analyses. The project consisted of a new, five-story headquarters building for LCPS, housing school superintendent and all supporting administrative functions. The building included offices, meeting rooms, auditorium, and other support functions.			

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Charles E. Bolyard, Jr, PSP, CFCC	Expert Witness	36	21

19. FIRM NAME AND LOCATION (City and State) MBP, Fairfax, VA

20. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering, 1974	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Planning & Scheduling Professional (PSP) Certified Forensic Claims Consultant (CFCC) OSHA 10-Hour Course Construction Safety & Health
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22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Bolyard has 36 years construction management experience, which includes 30 years of experience as a claims analyst. He has extensive experience for owners and contractors in CPM scheduling, cost estimating, management, constructibility review, delay analysis, damages analysis, and construction claims analysis, and has provided expert testimony, litigation support services, and has served as mediator and third-party neutral in resolution of construction disputes.

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SVCS	CONSTRUCTION
Baltimore Convention Center Baltimore, MD	2005	
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. As Principal, provided independent research and evaluation of standard of care issues associated with mechanical piping system failures that occurred after completion of the project. The project involved the addition of 800,000 square feet to the existing Center. The new facility includes a below grade exhibit hall, meeting rooms, and a new 36,000 square foot ballroom plus the accompanying mechanical and public spaces.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Cross Country MetroLink Extension - Segment I St. Louis, MO	2007	
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. As Testifying Expert, performed comprehensive delay and damages analyses including right of way easement and utility conflicts; required significant interface and coordination with design and construction management experts. The \$600 million project involved design and construction of more than seven miles of underground, elevated, and at grade rail through urban areas; new stations; real estate acquisition; coordination with municipalities, utilities, and other stakeholders; and systems integration. Our services culminated with expert testimony during a jury trial, and a verdict in complete favor of our client.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Forest State Correctional Institution Marienville, PA	2008	
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. As Project Manager/Testifying expert, performed in depth analysis, prepared expert report and testified at two trials before the Pennsylvania Board of Claims. The \$114 million project involved construction of a new 1,236 cell prison, housing up to 2,032 inmates in 11 housing units and supporting facilities for administration, medical, dining, maintenance, education, recreational and vocational space, in addition to a central support plant.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Fayette State Prison Luzerne Township, PA	2008	
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. As Principal, provided general oversight and assisted in drafting expert opinions. The project involved the construction of a new 1,000-cell prison, housing up to 2,032 inmates in ten housing units and supporting facilities for administration, medical, dining, maintenance, education, and recreational and vocational space, in addition to a central support plants totaling 700,000 square feet. The facility included one maximum security, eight medium security and one minimum security housing units.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Taylor Atrium Building Raleigh, NC	2005	
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. As Principal, provided independent review and evaluation of original building construction and tenant up-fits and provided a technical report after reviewing tenant improvement design drawings, investigating City records and Permits and performing site investigation. The \$1.2 million project involved three separate tenant upfits of a two-story, brick façade building. The original construction of 39,000 square foot shell building, included underground parking area that was later upfitted to medical suites.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
John L. MacKay, Jr, PE, CCM, CFCC	Senior Claims Analyst/Cost Analyst	22	21

19. FIRM NAME AND LOCATION (City and State) MBP, Raleigh, NC

20. EDUCATION (DEGREE AND SPECIALIZATION) BS magna cum laude, Civil Engineering, 1992	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer/Civil: VA, NC Certified Construction Manager (CCM) Certified Forensic Claims Consultant (CFCC)
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22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. MacKay has more than 20 years varied engineering and management experience. He has extensive experience for owners and contractors in CPM scheduling, analysis, and evaluation of construction claims, expert testimony, negotiation and litigation support services. His range of experience includes heavy construction (power, highways, bridges, subways, water treatment, and utilities) and buildings (higher education, K-12 schools, hotels, plants, offices, housing, and military facilities).

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
		PROFESSIONAL SVCS	CONSTRUCTION
New Embassy Compound Kingston, Jamaica	2006		
a. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As Senior Claims Consultant, performed detailed analysis of issues and impacts to project completion. The contract time was an aggressive 24-month completion schedule. The \$75 million project included a new Chancery Office Building, a new Marine Security Guard Quarters building, a new utility building, and compound access control facilities along with other site improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Maricopa Jail Central Services Facility Maricopa, AZ	2003		
b. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As Senior Claims Consultant, analyzed the CPM schedule submissions during the project and reviewed of the contemporaneous project records to determine causes of project delay. The project involved the construction of a new 146,000-square-foot central services facility with a state of the art food factory, laundry, central plant, truck wash and ice house.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Durham Area Transit Authority Facility Durham, NC	2008		
c. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As Expert Witness, analyzed project schedule and cost information and presented findings at mediation. The project was a newly constructed five building complex, which houses three administrative office buildings and two bus repair facilities. The \$9 million project involved the construction of the facility involved over 13 acres of site development and approximately 50,000 interior square feet to house the administrative offices and the repair facilities.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Criminal Investigation Laboratory Fort Gillem, GA	2008		
d. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As Senior Claims Analyst, provided claims analysis, litigation support, and cost analysis. The project included the construction of a state of the art, 88,000 square foot, criminal forensic laboratory. The laboratory included offices, laboratory areas, an indoor firing range, evidence storage, locker rooms, shower facilities, and mission support areas such as a hazardous waste holding facility and a training conference room.	<input checked="" type="checkbox"/>	Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Southwest Virginia Regional Jail Facilities Abingdon, VA	2005		
e. 3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As Project Executive, reviewed and evaluated the status of construction of the Southwest Virginia Regional Jail Authority Project and the potential for the project to complete on time. The project consisted of a multi-jurisdictional regional jail system that was comprised of three interdependent regional jail facilities servicing nine participating local governments.	<input checked="" type="checkbox"/>	Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
		a. TOTAL	b. CURRENT FIRM
Kevin M. Lugo, PE	Claims/Scheduling Analyst	18	14

19. FIRM NAME AND LOCATION (City and State)
MBP, Raleigh, NC

20. EDUCATION (DEGREE AND SPECIALIZATION)	21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
BS, Civil Engineering, 1992	Professional Engineer/Civil: NC, SC OSHA 10-Hour Course Construction Safety & Health BCOM Construction & Professional Services Manual

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Lugo has extensive construction management experience for owners and contractors providing project management, resident engineering, cost estimating, constructibility review, CPM scheduling and delay analysis, and claims analysis and litigation support. His project portfolio includes building, municipal, educational, federal, airport, waste water, and power plants. Mr. Lugo has provided training in delay analysis, project documentation, CPM scheduling, project controls, and roadway construction.

23. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
		PROFESSIONAL SVCS	CONSTRUCTION
Durham Area Transit Authority Facility Durham, NC	2008		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
a. As Senior Claim Consultant, provided dispute resolution services on behalf of Durham Area Transit Authority. The project was a newly constructed five building complex, which houses three administrative office buildings and two bus repair facilities. The \$9 million project involved the construction of the facility involved over 13 acres of site development and approximately 50,000 interior square feet to house the administrative offices and the repair facilities.			
Raleigh Business Technology Center Raleigh, NC	2003		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. As a Claims Analyst, responsible for investigation and technical analysis. Reviewed project documents to determine cause and effect, developed as-built schedule to analyze delays and entitlement, and prepared a written report. Assisted in preparation for trial. This project constructed a new 17,000-square-foot two-story building with associated parking on the site. The sitework included site grading, retaining wall, storm drainage, utilities, paving, and landscaping.			
Hospital Renovations, Langley Air Force Base Hampton, VA	2009		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. As Senior Claims Consultant, performed schedule delay analysis, investigation, and technical analysis of disputed issues and delays on behalf of the U.S. Army Corps of Engineers and the general contractor. Reviewed baseline CPM schedule and monthly schedule updates and reviewed project documentation to determine cause and effect of project delays. Presented findings to both parties. The \$1.5 million project consisted of the construction of a 145,000-square-foot multi-story addition.			
Student Union, University of North Carolina Charlotte, NC	2007		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. As Senior CPM Scheduler, providing CPM baseline schedule and monthly update review services for compliance with the Contract specifications. The \$65 million, new 192,400 square foot facility contained a three-story center rotunda as well as connecting bridges to dormitory housing and the adjacent parking deck.			
I-85 and I-40 South Loop Greensboro, NC	2007		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. As Project Manager, reviewed the contractor's claim for unsuitable material, additional cost of field overhead, additional cost of structures, outstanding claims, bond and claim preparation costs. This 5.0 kilometer project included grading, drainage, paving, signing, snow plowable pavement marking, four concrete box culverts, signals and nine bridge structures.			

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

16. NAME	17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
Claude A. Henderson, PE	Claims/Scheduling Analyst	a. TOTAL	b. CURRENT FIRM
		39	5
19. FIRM NAME AND LOCATION (City and State)			
MBP, Raleigh, NC			
20. EDUCATION (DEGREE AND SPECIALIZATION)		21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
AS, Civil Engineering, 1972		Professional Engineer, NC OSHA 10-Hour Course Construction Safety & Health	

22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Henderson has over 39 years of diverse project management and construction experience on projects for owners, architects, engineers, and contractors. He has vast experience in claims management including claims prevention and analysis, CPM schedules, productivity comparisons and cost analysis techniques to establish entitlement and to quantify damages for delay and project impacts.

23. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SVCS	CONSTRUCTION
a.	Duke University Medical Center and Health System Program Durham, NC	2009	
	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm
	As Project Manager, provided CPM scheduling services to Duke University Medical Center for development of a master construction schedule involving more than 165 different projects in various stages of design and construction. The \$500 million program included approximately 170 construction projects for 13 project managers. Projects ranged from minor renovations and additions to large new construction projects.		
b.	Wilmington Convention Center Phase II Wilmington, DC	2007	
	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm
	As Senior Project Manager, performed scheduling review and analysis. MBP provided full-time on-site construction management services on the convention center and parking deck project. The \$48 million project involved a 102,000 square foot facility with a grand ballroom, an exhibit hall, offices and meeting rooms, a commercial kitchen and an adjoining 592-space precast parking structure.		
c.	Student Activity Center, North Carolina School of the Arts Winston-Salem, NC	2006	
	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm
	As Project Manager, provided dispute resolution assistance in connection with a claim arising from the construction and renovation of the Arts Center. Provided schedule review, analysis of contract administration, progress payments/overpayments, cost to complete, percentage completion, and contractor standard-of-care. The project included approximately 35,000-square-foot renovation and 15,000-square-foot addition for the student activity center on campus.		
d.	Emergency Generator, University of North Carolina Chapel Hill, NC	2007	
	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm
	As Project Manager, provided claim preparation support through delay analysis and issue review. This project included a new co-generation plant for the campus of the University of North Carolina at Chapel Hill.		
e.	Dormitory, Western Carolina University Cullowhee, NC	2007	
	3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm
	As Project Manager, provided review and analysis of project documents concerning a dispute arising from the construction of a three-building 300-bed dormitory complex. Performed project CPM schedule analysis and provided expert witness testimony. The project consisted of two, four-story dormitory structures and one three-story structure connected by walkways.		

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT

E. RESUMES OF KEY PERSONNEL FOR THIS CONTRACT				
16. NAME		17. ROLE IN THIS CONTRACT	18. YEARS EXPERIENCE	
Jordy Murray, Esquire		Claims Analyst	a. TOTAL	b. CURRENT FIRM
			21	1
19. FIRM NAME AND LOCATION (City and State)				
MBP, Columbia, MD				
20. EDUCATION (DEGREE AND SPECIALIZATION)		21. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
JD, School of Law, 2004 MBA, Masters of Business Administration, 1994 BS, Civil Engineering, 1987				
22. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)				
Mr. Murray has more than 22 years of engineering, construction, and consulting experience. He has specialized experience in dispute resolution and forensic services to support a wide variety of clients including advisory service for troubled projects and the preparation, defense, and negotiation of complex construction-related disputes. His client services include issue analysis; schedule delay analysis; and quantification of delays, loss of productivity, and other construction-related costs.				
23. RELEVANT PROJECTS				
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
Banneker Hall Claim, Morgan State University Baltimore, MD		PROFESSIONAL SVCS	CONSTRUCTION	
		2010		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
a.	On behalf of the Maryland Attorney General and related to a 2009 renovation of Banneker Hall at Morgan State University, Mr. Murray evaluated a request for equitable adjustment (REA) submitted by a major contractor claiming \$1.2 million in delay costs. Services provided include: records investigation, identification of as-built critical path, and a comparison of as-planned versus actual schedule performance, and presentation of findings. This project involved the \$15 million renovation of the existing communications building, Banneker Hall, to house Morgan State University's Urban Studies department.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
Glenarden Community Center Glenarden, MD		PROFESSIONAL SVCS	CONSTRUCTION	
		Ongoing		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	On behalf of the owner, Maryland-National Capitol Park & Planning Commission, Mr. Murray is providing schedule update and change order review services related to the construction of the 32,000-square-foot renovation project. MBP provided an initial schedule review based on the project's CPM scheduling specifications, the approved baseline schedule, and the most recent schedule updates.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
DO #22 Norfolk District IDIQ Norfolk, VA		PROFESSIONAL SVCS	CONSTRUCTION	
		Ongoing		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	On behalf of U.S. Corps of Engineers--Norfolk District, Mr. Murray provided issue, schedule delay, and cost damage analysis, including drafting written expert report in defense of contractor's complaint. This case settled, favorably to the Client, during mediation. The underlying construction value was \$6.5 million. Dispute Resolution on the Combined Arms Tactical Training Facility, Ft AP Hill, VA.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
U.S. Embassy Skopje, Macedonia		PROFESSIONAL SVCS	CONSTRUCTION	
		2007		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm		
d.	As Claims Analyst, evaluated client-contractor's construction schedule and estimated a \$60 million cost-to-complete U.S. Embassy project. The analysis helped client understand potential project cost overruns, project management effectiveness, and was considered in the preparation of contractor's Form 10-Q filing.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
Multi-Use Facility Atlanta, GA		PROFESSIONAL SVCS	CONSTRUCTION	
		2010		
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm		
e.	As Claims Analyst, provided litigation support services on behalf of client-contractor and related to their performance on this \$40 million multi-use facility project. Services included evaluation of owner's expert witness's delay analysis report, drafting of a rebuttal report, and preparation of trial materials.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
25. TITLE AND LOCATION (<i>City and State</i>)		26. YEAR COMPLETED	
Dental School, University of Maryland Baltimore, MD		PROFESSIONAL SVCS	CONSTRUCTION
		2008	2006
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
University of Maryland	Jean Graziano	410-706-7761	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>INCLUDE SCOPE, SIZE, AND COST</i>)			

MBP evaluated claims submitted by the construction manager at-risk, mechanical and plumbing subcontractor, and masonry and drywall subcontractor, totaling more than \$12 million. MBP analyzed claims for additional direct costs, lost productivity, and delay damages and assisted the University and its counsel in developing negotiation strategy. MBP reviewed contemporaneous project records, interviewed key owner personnel, analyzed contractor/construction manager's claim methodology, and presented findings to the University.

MBP's analysis revealed that subcontractor claims were largely unsubstantiated and the methodologies for quantifying delay and lost productivity were unreliable. MBP drafted negotiation positions that allowed the University to successfully resolve outstanding claims in its favor.

The \$140 million project involved construction of a new, ten-story, 360,000-square-foot dental school in downtown Baltimore. The building houses the school of dentistry, academic classrooms, oral health care facilities, and dental research facilities. The project also includes two illuminated atrium areas, advanced dental education clinics, diagnostic and surgical services, pre-clinical teaching labs, student research modules, and ground floor lecture halls and conference facilities.



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
	MBP	Columbia, MD	Claims, delay analysis
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		2	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
Fayette State Prison Luzerne Township, PA		PROFESSIONAL SVCS	CONSTRUCTION
		2008	2004
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Pennsylvania Department of General Services	Elizabeth O'Reilly	717-787-7095	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

MBP investigated and performed technical analyses of claims set forth by 14 of the 23 separate prime contractors and provided expert testimony at mediation and at a hearing before the Pennsylvania Board of Claims. MBP reviewed project documents; developed a detailed as-built schedule of project performance; identified delays and analyzed causation, responsibility, and entitlement to time extensions; analyzed disputed costs; and presented opinions pertaining to delay, construction scheduling, contract administration procedures, and construction quality. MBP prepared expert reports and developed a presentation for discussion of issues in a collective mediation involving five prime contractors.



The \$117 million project involved the construction of a new 1,000-cell prison, housing up to 2,032 inmates in ten housing units and supporting facilities for administration, medical, dining, maintenance, education, and recreational and vocational space, in addition to a central support plant totaling 700,000 square feet. The facility included one maximum security, eight medium security, and one minimum security housing units. Approximately half the 202-acre site was developed within a secure perimeter in a campus arrangement. Administration, central plant, and staff residence buildings were constructed outside the secure perimeter.

29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Fairfax, VA	Claims analysis
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		3	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
Forest State Correctional Institution Marienville, PA		PROFESSIONAL SVCS	CONSTRUCTION
		2005	2004
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Pennsylvania Department of General Services	Elizabeth O'Reilly	717-787-7095	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

MBP provided independent expert analysis of delays and claims brought forth by five of the 33 separate prime construction contractors. MBP reviewed project documents; developed a detailed as-built schedule of project performance; identified delays and analyzed causation, responsibility, and entitlement to time extensions; analyzed disputed costs; and presented opinions pertaining to delay, construction scheduling, contract administration procedures, and construction quality.

This \$114 million project involved construction of a new 1,236 cell prison, housing up to 2,032 inmates in 11 housing units and supporting facilities for administration, medical, dining, maintenance, education, and recreational and vocational space, in addition to a central support plant. The facility includes two maximum security, eight medium security, and one minimum security housing units. Approximately half the 238-acre site was developed within a secure perimeter in a campus arrangement. Administration, central plant, and staff residence buildings were constructed outside the secure perimeter. Project included extensive site work, including cuts and fills up to 80 feet in height.



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Fairfax, VA	Claims, delay analysis
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		4	
25. TITLE AND LOCATION (<i>City and State</i>)		26. YEAR COMPLETED	
Banneker Hall Renovation Project Morgan State University Baltimore, MD		PROFESSIONAL SVCS	CONSTRUCTION
		2010	
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
State of Maryland Office of the Attorney General	Lawrence F. Kreis, Jr., Esq.	410-576-6991	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>INCLUDE SCOPE, SIZE, AND COST</i>)			

As directed by Maryland's Office of the Attorney General (OAG), MBP reviewed and assessed a \$1.2 million Request for Equitable Adjustment (REA) submitted by the construction manager at-risk seeking compensation for alleged extended general conditions. Claims analysis services included: contract review; review of the construction manager's baseline schedule and updates; electronic document searches using Summation® database; issue identification and entitlement analysis; compilation of as-built data; development of an as-planned vs. as-built schedule; cost and damages analyses; and presentation of analysis and findings to OAG.



MBP's analysis discovered a number of errors in the construction manager's delay analysis, including that the construction manager's schedule updates were flawed and ultimately unreliable. MBP reconstructed the as-built critical path schedule from the contemporaneous documents and found the REA was overstated by approximately \$700,000.

The underlying \$15 million renovation project involved the renovation of an existing communications center to house Morgan State University's Urban Studies department.

29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
	MBP	Columbia, MD	Claims, delay analysis
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

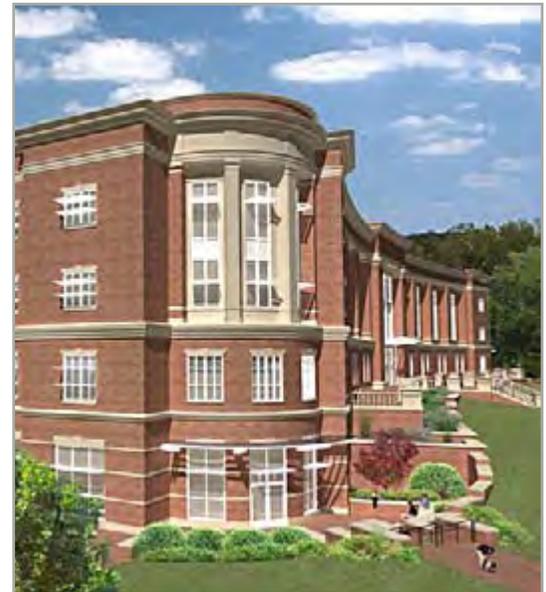
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		5	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
On-call CPM Scheduling and Claims Contract University of North Carolina, Charlotte, NC		PROFESSIONAL SVCS	CONSTRUCTION
		Ongoing	Ongoing
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
University of North Carolina - Charlotte	John Nielson	704-687-2114	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

MBP is providing CPM scheduling and claims analysis services under an on-call contract for the University of North Carolina Charlotte campus. Projects include:

Student Union Building: MBP performed a preliminary CPM schedule review on the behalf of the owner. MBP reviewed the baseline CPM schedule for conformance with the contract specifications and identified deficiencies in the sequence of work, durations, and logic. The \$65 million project involved construction of a new 192,400-square-foot building in the middle of campus. The facility contained a three-story center rotunda, as well as connecting bridges to dormitory housing and the adjacent parking deck. It housed a bookstore, food service facilities, a movie theatre, a game room, retail shops, office and meeting rooms, and a multi-purpose ballroom.



Energy Production Infrastructure Center (EPIC) Building: MBP performed a baseline schedule review. In addition, MBP reviewed contemporaneous schedules to validate time extensions requests associated with a change order for additional work. The \$76 million project involved a three-story building with approximately 200,000 square feet of classroom, lab, research, and administration spaces for the college of civil and electrical engineering, constructed under the construction manager at-risk delivery method. The project also included extensive site improvements including a building entry road and an addition to the regional utility plant.



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Raleigh, NC	CPM scheduling and claims analysis
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		6	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
Center for Advanced Research in Bio-technology II (CARB II) Universities at Shady Grove University of Maryland Rockville, MD		PROFESSIONAL SVCS	CONSTRUCTION
		2009	
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
University of Maryland, College Park	Carlo Colella, PE	301-405-2987	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

As part of an on-call program support services contract for the statewide design and construction program at University of Maryland institutions, MBP performed analyses of \$5.4 million in claims submitted by the construction manager at-risk and several of its subcontractors. MBP evaluated responsibility for over 360 days of project delays, assessed the reasonableness of asserted general conditions costs, and analyzed the electrical subcontractor's claim of lost productivity. MBP also assisted the University and its counsel in the preparation of a written evaluation of the construction manager's claim for use by the contracting officer and participated in mediation along with the construction manager, subcontractors, designer of record, and the University.

MBP presented its findings in mediation and was instrumental in the University's successful negotiation of an equitable settlement of the claims.

The \$52.2 million project involved construction of a new 139,000-gross-square-foot laboratory facility, classrooms, and seminar and conference space at the Shady Grove campus. Facilities included certified good manufacturing practices clean room areas, laboratories meeting bio-safety level 3 (BSL-3), dark rooms, cold rooms, warm rooms, a greenhouse, a vivarium, and a library to support molecular biology, computational chemistry, structural immunology, cell biology, plant and insect transformation research, genome analysis, and biophysics. The four-story laboratory building included a mechanical penthouse, arched greenhouse, and an attached two-story office building.



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Columbia, MD	Claims analysis, dispute resolution
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
25. TITLE AND LOCATION <i>(City and State)</i>		26. YEAR COMPLETED	
Aero Train System Facilities, Dulles Airport Chantilly, VA		PROFESSIONAL SVCS	CONSTRUCTION
		2010	2010
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Metropolitan Washington Airports Authority	James T. Stievater Parsons Management Consultants	703-572-1444	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(INCLUDE SCOPE, SIZE, AND COST)</i>			

The largest single feature of the Dulles Development (D2) capital construction program was the Aero Train System, a subway that largely replaced the mobile lounges in moving passengers from the main terminal to midfield terminals. On behalf of the Metropolitan Washington Airports Authority (MWAA) and its program management consultant, MBP reviewed claims on several major components of the Aero Train System Facilities, including the Aero Train Systems contract for train controls and rolling stock; the vehicle maintenance facility; the West Station; and the Main Terminal Station.

Aero Train Systems

MBP reviewed the claims of Sumitomo Corporation of America (SCOA) pertaining to the construction of the train infrastructure system. MBP's analysis entailed developing a detailed understanding of the various system components and sub-components, including testing regimes for both hardware and software. The fully automated trains required extensive testing to ensure coordination with system-wide controls, communications and interfaces with related hardware such as station access doors. MBP reviewed contractor claim submittals, schedules, project correspondence, and other information to develop a summary-level delay analysis regarding the completion of train systems infrastructure and the commissioning and testing of the systems. The effort led to a negotiation settlement satisfactory to all parties involved.



Vehicle Maintenance Facility

MBP reviewed a request for equitable adjustment (REA) submitted by the contractor and performed a comprehensive schedule delay analysis to determine the extent of and responsibility for delay on this \$42 million project. MBP provided recommendations to MWAA and assisted in settlement discussions regarding delay. Issues reviewed included a study of the fire protection system, including an analysis of contract requirements for providing adequate water supply.

West Station

MBP provided a review of a time impact analysis submitted by the contractor and provided recommendations to the owner regarding its validity, along with opinions on the analysis performed by the owner. The contractor initially submitted a simplistic analysis incorporating all delays on the project, contending it had incurred some 500 days of delay. After our initial review, MBP worked with the contractor to develop a process to evaluate 30+ individual time impact analyses using sequential contemporaneous schedule updates, a process that reduced the Authority's time exposure to a fraction of the initial claim. The project involved construction of 12 additional gates in Terminal B, along with the AeroTrain station.

29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	MBP	Fairfax, VA	Claims analysis, dispute resolution
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		8	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
Campus Site Utilities, Dillard University New Orleans, LA		PROFESSIONAL SVCS	CONSTRUCTION
		2006	2007
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Dillard University	William LeCorgne, Jr., PE Woodward Design+Build	504-822-6443	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

MBP provided program management services during the restoration of site utilities and mechanical, electrical, and plumbing (MEP); program scheduling management services during the reconstruction and enhancements program; and cost management/cost engineering services to assist in the development of/documentation for insurance claims.

This project included the renovation or demolition of more than 30 buildings on Dillard's 60.5 acres of on-and-off campus properties. These buildings were damage extensively by Hurricane Katrina's winds and the flooding following the failure of the London Avenue Canal levee.

MBP developed and/or managed the design and construction schedules for the following projects:

- Alexander Library
- Camphor/Hartzell Academic Support
- Cook Fine Arts Center Academic
- Dent Hall Academic & Athletics
- DUICEF Academic & Support
- Henson Hall Athletics & Academic Support
- Howard House Academic Support
- Kearny Hall Dining Hall & Recreation
- Lawless Chapel Chapel & Social
- Rosenwald Hall Administration & Support
- Stern Hall Academic Laboratory
- Williams Hall Dormitory
- Gentilly Gardens Off Campus Dormitory
- Gentilly Apartments Off Campus Dormitory
- DUAL Apartments Off Campus Dormitory
- Elysian Apartments Off Campus Dormitory
- Site Electric Loop Site Utility
- Storm Water & Waste Water Site Utility
- Site Landscaping Site Work
- Campus Fire Alarm Life Safety
- New IT Backbone Utility
- Campus Police Station Support



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Atlanta, GA	Program scheduling management services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		9	
25. TITLE AND LOCATION <i>(City and State)</i>		26. YEAR COMPLETED	
CPM Schedule Training Ohio Department of Transportation Columbus, OH		PROFESSIONAL SVCS	CONSTRUCTION
		Ongoing	Ongoing
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Ohio Department of Transportation (ODOT)	Lyle Flower	614-466-2043	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(INCLUDE SCOPE, SIZE, AND COST)</i>			

Since 2005, MBP has provided training to ODOT engineers on the use of CPM scheduling software (Primavera P3 and P6) and how to perform baseline schedule reviews, schedule updates, time impact analysis (TIA), and delay claim analysis. MBP has also advised ODOT on scheduling specifications, including how to address typical claims issues and software implementation.

The training provided by MBP included development and presentation of a series of one and two-day training sessions on CPM scheduling. All classes included fundamental, hands-on exercises using Primavera software, real-world case studies, and open discussion and were customized to meet specific ODOT procedures and address issues identified by ODOT staff. Training topics included:

- Advanced use of Primavera Project Planner
- Baseline schedule development and review
- How to review and respond to schedule updates
- Schedule changes and time impacts
- Analyzing and responding to delay claims
- Analyzing losses of efficiency, acceleration and other issues

ODOT designated specialists in each of its 12 construction districts to become advanced users of scheduling software and to serve as a resource to project management staff throughout the district. This group meets quarterly, and MBP was engaged to provide software and project management training to the group.

In 2010, MBP was retained by ODOT for its third consecutive scheduling training contract, which now includes the scope of reviewing claim issues.

29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	MBP	Fairfax, VA	CPM scheduling, training
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS		24. PROJECT NUMBER	
		10	
25. TITLE AND LOCATION (City and State)		26. YEAR COMPLETED	
Cleveland Innerbelt Project Cleveland, OH		PROFESSIONAL SVCS	CONSTRUCTION
		Ongoing	Ongoing
27. PROJECT OWNER'S INFORMATION			
A. PROJECT OWNER	B. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Ohio Department of Transportation (ODOT)	Randall Over	216-584-2150	
28. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (INCLUDE SCOPE, SIZE, AND COST)			

MBP is providing full-time scheduling services on behalf of ODOT on this major design-build project. MBP visited the project site and reviewed the project contract documents in order to develop a complete understanding of the design and construction scope, staging, and physical and contractual restraints, and to establish expectations for the representation of the project in the form of a baseline schedule. MBP is reviewing the contractor's schedules, reporting findings, and attending meetings with ODOT and the contractor. In addition, MBP creates and provides schedule-related reports to ODOT, assists in verifying payment applications, and analyzes and documents changes to the schedule.

The \$287 million project involves construction of a new bridge for I-90 over the Cuyahoga River Valley. Other critical components of the project include four other new bridges, various improvements to ten existing bridges, a new alignment for the I-90 widening, and upgrades to the interchanges.



29. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	MBP	Fairfax, VA	CPM scheduling services
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

30. NAMES OF KEY PERSONNEL <i>(From Section E., Block 12)</i>	31. ROLES IN THIS CONTRACT <i>(From Section E, Block 13)</i>	32. EXAMPLE PROJECTS LISTED IN SECTION F <i>(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)</i>									
		1	2	3	4	5	6	7	8	9	10
Christopher J. Payne, PE, CCM	Project Manager/Senior Claims Analyst/Expert Witness		X	X				X		X	X
Duncan Stewart, PE	Scheduling Analyst									X	X
Kayoumars Bakhtar, PhD	Senior Claims Analyst		X	X				X			
Mairav R. Mintz, PE	Senior Claims/Scheduling Analyst						X				
Blake V. Peck, PE, CCM	Expert Witness	X									
Charles E. Bolyard, Jr, PSP, CFCC	Expert Witness		X	X							
John L. MacKay, Jr, PE, CCM, CFCC	Senior Claims Analyst/Cost Analyst										
Kevin M. Lugo, PE	Claims/Scheduling Analyst										
Claude A. Henderson, PE	Claims/Scheduling Analyst										
Jordy Murray, Esquire	Claims Analyst										

33. EXAMPLE PROJECTS

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Dental School University of Maryland Baltimore, MD	6	Center for Advanced Research in Bio-technology II (CARB II) Universities at Shady Grove University of Maryland Rockville, MD
2	Fayette State Prison Luzerne Township, PA	7	Aero Train System Facilities, Dulles Airport Dulles, VA
3	Forest State Correctional Institution Marienville, PA	8	Campus Site Utilities, Dillard University New Orleans, LA
4	Banneker Hall Renovation Project Morgan State University Baltimore, MD	9	CPM Schedule Training Ohio Department of Transportation Columbus, OH
5	On-call CPM Scheduling and Claims Contract University of North Carolina, Charlotte, NC	10	Cleveland Innerbelt Project, Cleveland, OH

H. ADDITIONAL INFORMATION

34. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

MBP is a full service, multi-disciplined construction consulting and management firm. The firm has grown from three people at its inception in 1989 to more than 300 team members. MBP is a Virginia-based firm with ongoing presence in Ohio. MBP is comprised of professional engineers and construction consultants that specialize in engineering services related to construction performance. Our staff has extensive construction management experience having collectively managed more than \$90 billion in construction projects in more than two decades of business. We stand apart from others in this field because our engineers have hands-on field experience with contractors and owners in the construction of facility projects combined with engineering design expertise.

Our staff is experienced in project management, on-site engineering and inspection, cost estimating, scheduling, value engineering, risk analysis and claims resolution for virtually all segments of the construction market. Our staff's experience includes projects in federal, state and local government, educational, commercial, industrial, private, residential and transportation markets; including both new and renovation construction.

MBP provides the highest quality construction engineering services possible to its clients. Our engineers have successfully reviewed, estimated, managed, and inspected billions of dollars in construction projects. More specifically, the team provides expertise in construction management, cost estimating, CPM scheduling and claims avoidance. This expertise, gained through hands-on experience, provides the necessary tools both to evaluate and manage virtually any construction situation.

We are experienced in construction administration, value engineering, on-site inspection, project management, resident engineering, cost estimating, scheduling, commissioning, and claims resolution for virtually all segments of the construction market. Our staff's experience in both new and renovation construction includes projects in municipal, government, educational, commercial, industrial, private, residential, and transportation markets.

For the past ten years, MBP has been recognized by Engineering News-Record (ENR) as one of the Top 100 Construction Management Firms in the United States. MBP was ranked 36 in the most recent ENR rankings; among Program Managers, MBP was ranked 23. Among firms that practice solely Construction Management Services, MBP ranks number ten. MBP is also ranked as one of Public Works Magazine's Top Architecture/Engineering/Construction Firms.

In addition, MBP has been selected as one of the Top 50 Best Small and Medium Companies to Work for in America for two years in a row by The Society for Human Resource Management and Great Place to Work Institute. MBP ranked second nationwide among multi-disciplined consulting firms as Best Firm to Work for by Zweig-White.

MBP is ideally suited to assist SAO in the requested role, as these services are a core of our business. Along with the well qualified and deep team of subconsultants assembled for this effort, MBP offers the following major benefits:

We are experienced. MBP has performed in an identical capacity for numerous public owners, including statewide claims support contracts in Pennsylvania, Maryland, Virginia, and North Carolina. We have also supported Federal owners such as the Army Corps of Engineers, the Veterans Administration, and the State Department.

We offer a flexible team. Construction claim analyses often require a team with diverse experience, talent, and skills. Complex matters may require the efforts of more than a dozen practitioners, particularly if litigation is involved. MBP offers the flexibility to provide the right-sized team for the assigned task, whether a single change order review or the handling of multiple, complex cost and delay analyses. The experience of MBP's staff in construction claims analysis and litigation support provides a depth of experience capable of responding to most any type of claim issue that might arise.

The goal of our construction claims analysis services is to assist our clients in arriving at a satisfactory outcome based on an accurate analysis and competent factual research of the circumstances and review of the contract documents. When litigation does occur, MBP can provide expert testimony where the goal is to communicate a complex array of information to the trier of fact in such a way that both educates and persuades. MBP has a track record of delivering expert testimony in fast-paced and demanding litigations. MBP has played a key role in helping our clients reach their desired outcome. In the case captioned below, MBP was engaged by the defendants in this wrongful termination dispute and provided credible and persuasive testimony that factored into the jury's determination.



H. ADDITIONAL INFORMATION

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Quality of Service

MBP has developed a proven method of claims and delay analysis designed to deliver high quality service to our clients; this approach is discussed in Section 5.1. In one Federal Court case, Sunshine Construction and Engineering, Inc. v. United States, the judge's decision described both MBP's analysis and the testimony of Mr. Charles Bolyard, one of our proposed key staff:

"Defendant's delay expert, Charles E. Bolyard, Jr., provided a reliable, comprehensive analysis regarding the sequence of contract performance. His cogent and credible testimony was helpful, because no documents, including plaintiff's updates, or witnesses presented as coherent a picture of the EC/L Project's work sequence. The extant documentary record is consistent with Mr. Bolyard's as-built analysis. Essential to Mr. Bolyard's testimony was his explication of the Critical Path Method ("CPM"). Throughout his testimony, the court found that Mr. Bolyard greatly assisted in the explanation and understanding of how the EC/L Project was actually constructed."

On construction claims analysis assignments, MBP has found that the following key principles help guide the quality of our services. For this project, we will organize our work such that these principles are followed.

- We get into the details. Determining the appropriate response and resolution to an issue will typically require an in-depth assessment of various elements, including contract terms, daily reports, construction plan details, independent standards, cost records and schedules. Our analysis approach is based on getting to a detailed understanding of all aspects of an issue to validate the positions being taken by all sides in the matter. We apply our technical background and experience to identify the root cause of the disputed issue and then develop clear and cogent explanations of the issue, what and/or who is responsible for the issue, when it occurred, and the resulting impact.
- We keep you informed. Analysis of claims can be an iterative process and one that should be interactive. With the high stakes involved, it is essential that the State Architects Office (SAO) be kept abreast of its exposure to potential damages and if there is entitlement of additional compensation due to the contractor, that such information be delivered timely to allow the best opportunity to mitigate or settle. In addition to providing SAO with interim reporting of our findings, MBP will periodically (monthly or more frequently as required) provide clear information regarding status of our budget, our assigned tasks and anticipated deliverables.
- We provide an independent appraisal. In a claim situation, we consider it our goal to provide our client with an honest appraisal of the merits of its position so that it can make an informed decision of how to proceed—whether to attempt to settle the claim or to pursue it to the next level.

MBP takes the quality of our work seriously. After completing our technical work efforts, according to our own guidelines and service-specific procedures, we add one further step: MBP work product is reviewed by an internal Quality Assurance team prior to its submission to our client. MBP also monitors the quality of our own services through an independent internal evaluation of work product conducted company-wide every quarter. The resulting evaluations are shared with the responsible parties and any lessons learned are incorporated in future work efforts.

H. ADDITIONAL INFORMATION

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Customer Satisfaction

The quality of our service is best determined by our clients, since we must meet or exceed client expectations to be successful. MBP surveys a select number of clients on a quarterly basis to elicit comments on the competence of our staff, the timeliness of work, and the value of our services. This survey includes a numerical evaluation of our client's satisfaction. On a 1-to-5 scale, with a score of 5 representing highest levels of satisfaction, our client satisfaction average score in 2010 was 4.6, based on 44 total surveys.

We regularly receive positive feedback from our clients regarding satisfaction with our claims analysis services. One such example was addressed to Frank McDonough and Scott (Gator) Galbraith following an immensely complicated litigation associated with the construction of a crude oil processing facility in Venezuela.

"Frank and Gator:

Analyzing delays on this very complicated project, attributing them to particular events, and ensuring the exclusion of any overlap with other delaying events, was a most formidable task indeed. Fortunately we had on our team the best qualified experts to do just that...All of us want to thank you for your invaluable contribution."

Louis R. Pepe, Esq.

Pepe & Hazard LLP

The Metropolitan Washington Airports Authority has shared similar feedback for our efforts on certain projects related to the \$2 billion expansion of Dulles International Airport. On the Dulles AeroTrain System Main Station project, a project that required extensive analysis of claims to address a two-year delay and enormous cost, our primary point of contact had this to say in evaluating our performance:

"MBP is the very best at what they do"

James T. Stievater

Parsons Management Consultants

PROPOSED APPROACH AND RELEVANT ISSUES

Proposed Approach to Claims Analysis

MBP's approach to claims analysis may involve four phases:

- Phase 1 - Problem Identification, Review and Evaluation
- Phase 2 - Investigation and Detailed Analysis
- Phase 3 - Presentation of Findings
- Phase 4 - Litigation Support

We believe that this framework provides a reasonable basis for the analysis of most claims. Project circumstances may allow certain steps to be omitted, while requiring increased attention toward others. At all times during the analysis and/or litigation, we recommend that the parties involved in the construction dispute be alert and sensitive to the potential for reasonable settlement as a preferred option to full-scale litigation.

Phase 1 - Problem Identification, Review and Evaluation

The purpose of Phase 1 is to determine the merits of a claim. MBP has developed a detailed work plan for Phase 1 activities:

Step 1 - Study the Job As Bid

- Index all project records (see records checklist below).
- Review all project records.
- Summarize and determine the status of all known issues in dispute.
- Summarize contractor problems and any third party problems affecting the project.
- Develop a "Who's Who" list for the project, identifying all key players.
- Review project schedule requirements.

H. ADDITIONAL INFORMATION**34. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.****Step 2 - Study the Job As-Built**

- Develop a summary of all change orders including the description of the work, total dollar amount, and total time extensions granted.
- Develop a summary of all claims including description, dollar value, and delay.
- Create a list of contractor and subcontractor changes and/or problems including performance, deliveries, technical difficulties, equipment and/or labor shortages, errors, etc.
- Create a list of no fault changes including weather, sole source deliveries, third parties, etc.
- Examine the total time of performance compared to the original and extended contract. Include in this performance milestones.

Step 3 - Preliminary Review of Initial Project Schedule

- Compare the initial project schedule with the contract schedule requirements.
- Evaluate the quality of the schedule.
- Evaluate the accuracy of the schedule. Compare the CPM printout with the network.
- Perform a review of overall feasibility.
- Note any obvious errors.
- Determine the approval status of this original schedule.
- Review the timeliness of submittal, review, resubmittal, and approval.

Step 4 - Preliminary Review of Final Project Schedule

- Evaluate the quality, frequency, and relevance of the updates prepared during construction.
- Review contractor's and owner's as-built schedules, if any.
- Check the schedule for the inclusion of change orders and their impact on the duration and logic of other activities.
- Check to see that schedule updates and the final schedule reflect the actual sequence of work, contractor's problems, and other problems.

Step 5 - Summarize Initial Findings

- In the initial report of findings, identify the contract scope and key features of the project, key players in the project, changes, claims, and other problems.
- Prepare a timeline, a chronological history of major events from start of the project to completion.
- Identify a scope of work for Phase 2.
- Prepare deliverables including an oral presentation, a letter report, and a schedule for Phase 2 work.

Phase 2 - Detailed Investigation and Analysis

As noted in the Approach, the purpose of Phase 2 is to conduct a detailed analysis of issues identified in Phase 1 and prepare a final evaluation and assessment of causation, effect, liability, and overall impact of the claim issues, the Contractor's own problems, and "no fault" problems caused by a third party. Conclusions will include, if appropriate, damage calculations.

Step 1 - Fact Finding and Document Search

- Perform file searches of all project records listed above
- Copy and summarize all claim relevant documents.
- Conduct additional site visits.

H. ADDITIONAL INFORMATION

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Step 2 - Issue Analysis

- Develop a list of issues.
- Develop issue files, assembling a complete chronological data file for each issue.
- Analyze each issue and develop a summary of the issue including description of work, problem areas, responsibility, etc.

Step 3 - As-Planned Schedule Review

- Research the as-planned schedule.
- Correct the as-planned schedule for absolute errors in logic, noncompliance with contract, inconsistency between the CPM printouts and network diagrams.

Step 4 - As-Built Schedule Preparation and Schedule Analysis

- Create an as-built schedule from information taken from the project records.
- Include key preconstruction activities; submittals and shop drawing review; offsite fabrication; change orders; contractor, owner and no-fault problems.
- Plot as a time-scale network and in report format, showing all critical path(s).
- Show each claim and counterclaim issue and investigate:
- Whether it delayed an activity (comparing as-planned and as-built critical paths).
- Criticality.
- Concurrence. Was a critical delay concurrent with all or part of another delay? Generally, concurrent owner and contractor delays preclude the payment of delay damages but allow for extension of contract time.
- Extent of delays - concurrent and nonconcurrent.
- Calculate damages including delay, if any.
- Develop graphic presentations including MBP Schedulegraph.

Step 5 - Impacts and Damages Analysis

- Verify that a causal link has been demonstrated between the change or delay and the damages sought.
- Perform independent cost estimates of claimed work items to verify reasonableness of claim amounts. Potential damages may include productivity losses due to crowding, stacking of trades, overtime, shift work, disruptions, piecemeal operations, and other inefficiencies. Delay damages may include cost escalation for materials, wages and equipment; extended equipment rental and operating costs; extended jobsite, area, and home office overhead; and idle labor and equipment.
- For large claims, and as required and approved by client, interface with certified public accountants for audit of appropriate construction costs. These will form the basis of independent damage calculations.

Step 6 - Draft Report, Discussion & Review

- Meet with counsel, insurer and Architect and present findings - oral presentation.
- Assist in request for discovery and assist with responses.
- Request additional information, if necessary.
- Conduct any additional technical research of pertinent issues, change orders, as-built schedule, etc.
- Issue draft report.

Phase 3 - Formal Presentation of Findings

In Phase 3, we present our analysis and/or counterclaim in a final report to counsel. This report contains the result of all of our analysis including written narrative, supporting project documents, and graphic exhibits.

H. ADDITIONAL INFORMATION

34. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Phase 4 - Litigation Support

The purpose of Phase 4 is to provide counsel with all necessary litigation support services. MBP will provide expert testimony on the basis of its independent investigation as required. MBP will also assist counsel in any of the following:

- Discovery of contractor’s and subcontractors’ project records.
- CPA audit of contractor and key subcontractor records (including bid, home office overhead expenses, and actual equipment rental rates charged to job).
- Preparation of interrogatories and answers.
- Attend depositions and review deposition transcripts.
- Attend hearings.
- Negotiations.
- Analyze expert reports developed by opposing party.
- Preparation of pre-trial and post-trial briefs.
- Exhibit preparation.
- Expert testimony at deposition and before boards and courts.
- Preparation of rebuttal to opposition evidence or testimony.

Graphics Support

Most construction claims are inherently complex and involve multiple variables and complicated, dense streams of data. Often in analyzing such claims and ultimately in presenting the findings of such analysis to the finders of fact, the best way to communicate the nuisances of the conclusions is through simple, yet impactful, pictures or graphics.

We have a team of fully dedicated graphic designers that are highly skilled in distilling complicated concepts into influential, easy to understand graphics that instantly convey the relevant findings to the viewer. One example of this is the MBP Schedulegraph®, which summarizes planned and as-built schedule critical paths and indicates all delays and responsible party on one easy-to-understand graphic. We are attaching a number of example graphics along with this submittal.

Value Added Opportunities

The services sought under the RFQI are limited to claims analysis. However, within the overall umbrella of claims analysis, MBP foresees the opportunity to offer related services that might augment those services being provided by the existing SAO staff. Additional relevant services that MBP might offer under this contract include the following:

- | | | |
|---------------------------|--|--|
| • Cost estimating | • Risk analysis, including probabilistic scheduling and estimating | • Quality assurance of targeted operations |
| • CPM scheduling | • Auditing | • Partnering and process facilitation |
| • Earned value management | • Process improvement consulting | • Documentation controls |
| • Risk management | | • Commissioning |

We look forward for the opportunity to discuss how such services might be applicable under the realm of claims analysis for SAO’s programs.

I. AUTHORIZED REPRESENTATIVE The forgoing is a statement of facts.	
31. SIGNATURE	32. DATE
	April 20, 2011
33. NAME AND TITLE	
Christopher J. Payne, PE, CCM; Senior Vice President/Regional Manager	

STATEMENT OF QUALIFICATIONS

1. PROJECT NUMBER (if any)
DAS-11D888

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME MBP				3. YEAR ESTABLISHED 1989	6. FTID NUMBER [REDACTED]
2b. STREET 711 D Fifth Street				5. OWNERSHIP	
2c. CITY Roanoke				a. TYPE Corporation	
2d. STATE VA	2e. ZIP CODE 24016	2f. COUNTY Roanoke		b. EDGE STATUS No	
6a. POINT OF CONTACT NAME AND TITLE Dale Grigg, Jr., PE, Branch Manager			6b. PRESIDENT/CEO Blake V. Peck, PE, President & Chief Operating Officer		
6c. TELEPHONE NUMBER 540-985-9453			7. NAME OF FIRM (If block 2a is a branch office)		
8a. FORMER FIRM NAME(S) (if any)				8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	42	1	C15	Construction Management	4
06	Architect	7	1	C18	Cost Estimating/ Engineering & Analysis	3
12	Civil Engineer	42	4	C201	CPM Scheduling	4
15	Construction Inspector	64	29	C203	Disputes Resolution	4
16	Construction Manager	43	1	C208	Constructibility Review	1
18	Cost Engineer/Estimator	10	0	CA02	Contract Administration/Claims	1
21	Electrical Engineers	2	0			
42	Mechanical Engineer	9	0			
46	Project Manager	29	1			
53	Scheduler	11	0			
55	Soils Engineer	0	0			
CA	Claims Analyst	7	0			
DM	Draftsmen	2	0			
	Other Employees	35	3			
Total		308	40			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)	PROFESSIONAL SERVICES REVENUE INDEX NUMBER								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>a. Federal Work</td><td style="text-align: center;">7</td></tr> <tr><td>b. Non-Federal Work</td><td style="text-align: center;">8</td></tr> <tr><td>c. Total Work</td><td style="text-align: center;">9</td></tr> </table>	a. Federal Work	7	b. Non-Federal Work	8	c. Total Work	9	<table style="width: 100%;"> <tr> <td style="width: 50%;"> 1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million </td> <td style="width: 50%;"> 6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater </td> </tr> </table>	1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million	6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater
a. Federal Work	7								
b. Non-Federal Work	8								
c. Total Work	9								
1. Less than \$100,000 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million	6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater								

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE  c. NAME AND TITLE Dale Grigg, Jr., PE, Branch Manager	d. DATE 4/20/2011
--	-----------------------------

STATEMENT OF QUALIFICATIONS

1. PROJECT NUMBER (if any)
DAS-11D888

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME MBP				3. YEAR ESTABLISHED 1989	7. FTID NUMBER [REDACTED]
2b. STREET 460 McLaws Circle, Suite 140				5. OWNERSHIP	
2c. CITY Williamsburg				a. TYPE Corporation	
2d. STATE VA	2e. ZIP CODE 23185	2f. COUNTY James City		b. EDGE STATUS No	
5a. POINT OF CONTACT NAME AND TITLE Michael Prezioso, PE, CCM, Senior Vice President/Regional Manager		5b. PRESIDENT/CEO Blake V. Peck, PE, President & Chief Operating Officer		7. NAME OF FIRM (if block 2a is a branch office)	
6a. TELEPHONE NUMBER 757-259-0284		6c. E-MAIL ADDRESS mprezioso@mbpce.com			
8a. FORMER FIRM NAME(S) (if any)				8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	42	5	C15	Construction Management	8
06	Architect	7	0	C18	Cost Estimating/ Engineering & Analysis	4
12	Civil Engineer	42	6	C201	CPM Scheduling	5
15	Construction Inspector	64	16	C203	Disputes Resolution	4
16	Construction Manager	43	9	C208	Constructibility Review	2
18	Cost Engineer/Estimator	10	1	CO01	Commissioning	6
21	Electrical Engineers	2	1	T02	Construction Inspection	6
42	Mechanical Engineer	9	1	CA02	Contract Administration/Claims	1
48	Project Manager	29	1			
53	Scheduler	11	1			
55	Soils Engineer	0	0			
CA	Claims Analyst	7	1			
DM	Draftsmen	2	0			
	Other Employees	35	8			
Total		308	51			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	7	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
c. Total Work	9	3. \$250,000 to less than \$500,000	9. \$25 million to less than \$50 million		
		4. \$500,000 to less than \$1 million			
		5. \$1 million to less than \$2 million			

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 4/20/2011
c. NAME AND TITLE Michael Prezioso, PE, CCM, Senior Vice President/Regional Manager	