



Project Controls Specialist

Specialization:

Planning and scheduling design, project controls for CM, design/build and construction of major projects

Education:

B.S., Industrial Administration, Central Michigan University, 1996

Professional Registration:

PMP, QIP

Professional Associations:

PMI

Year Joined B&V:

2007

Total Years Experience:

28

Citizenship:

United States of America

Ms. Nichols is a project controls manager who is a PMP with the Project Management Institute. Ms. Nichols is versed in project scheduling from the conceptualization of a project through startup and transfer of operations. She has worked on Black & Veatch projects worldwide. In addition to proficiency in P6, Ms. Nichols has implemented project controls (documentation, payments, schedule updates, RFIs, correspondence tracking, project accounting, cash flow projections and other aspects of Project Delivery. Her career has focused mostly on water and wastewater projects.

Experience

Black & Veatch, Redhill, United Kingdom and USA 2009-2010

Work with project team to develop P6 baseline cost loaded schedule for TRWD/DWU IPL. Facilitate cost loading curves and monthly updates. Develop proposal schedules. Update schedule and assist with cost reporting.

Developed CPM baseline and update/revision/as-built information programmes to support Commercial Manager in development of delay claims for East Kent Sludge Project. Work with project team, management, consultants, programme experts and attorneys to support maximum recovery and minimize cost.

Bundamba AWT project in Queensland, Australia 2007-2009

CPM resource loaded design schedule for Bundamba AWT Project in Queensland, Australia. Traveled to Australia to incorporate design schedule information submitted by other entities of the project and coordinated merging design, procurement and construction schedules. Updated progress and maintained WBS, codes and resource allocations. Developed and maintained Planned/Earned/Spent curves charts for Bundamba AWT Project. Worked with facilitators to develop schedules for projects in Chile, Nevada, Minnesota and Texas. Assist in Engineering Management training exercise. This project won the CMAA International Award.

Review monthly construction schedules. Review for contract milestone compliance, verify logic and progress. Write-up analysis results and make suggestions for corrective action.

Daimler/Chrysler-MOPAR Division, Centerline, Michigan 2005-2007

Developed and maintained detailed, resource loaded, logic driven schedule for the restructuring of approximately twenty PDC's throughout USA and Canada. Traveled to each facility to meet with management and union labor representations to establish material and union labor requirements. Work scheduled so as not to interfere with warehousing operation.

Detroit Water and Sewerage Department Capacity Expansion, Detroit, Michigan 2000-2003

Senior Project Controls Engineer with Project Management Associates (PMA) working with the PMCM for the Detroit WWTP \$500,000,000 improvements program. The PMCM consultant managed all design and construction work. Project required design integration the renovation of four existing clarifiers and the design/build of two additional clarifiers, associated scum buildings, meter vaults, sludge pumping station, shafts and tunnels at the Detroit Waste Treatment Plant. Schedule and document controls were implemented.



***General Motors Pontiac East Assembly Plant, Pontiac, Michigan
1996-2000***

Project scheduler/manager responsible for development of resource loaded project schedule, schedule of values, contract changes, invoice to owner's representative and receive contractor invoices for payment. Worked with owner, owner's representative (Morrison Knudsen), design (Giffels) and contractors. Developed hourly schedule for installation of robotics.

***State Prison of Southern Michigan Major Decentralization, Jackson, Michigan
1993-1996***

Project controls engineer worked with the State of Michigan Department of Management and Budget to plan, schedule and coordinate multiple designers, project manager and contractors from conceptual design through construction. Monthly reports, documentation and distribution of scheduling and contract information were required.

***Detroit Water and Sewerage Department Wastewater and Collection System,
Detroit, Michigan
1993-1995***

Project control engineer developed cost loaded schedule from 60% design package for three collection basins and associated buildings and underground. Reviewed contractor schedule submittals for conformance to specifications and progress and then submitted report and documentation to consultants, communities and regulatory agencies.

***Wastewater Treatment Plant Upgrade, Solon, Ohio
1994-1995***

Project controls engineer responsible to review contractor schedule for completeness, accuracy, conformance to contract specifications, claims avoidance and progress assessment, then prepared and submitted report findings to owner.

***Fire Alarm and Building Automation Systems at Chrysler Tech Center, Auburn
Hills, Michigan
1991-1992***

Project controls manager responsible for scheduling and documentation of installation of Fire Alarm and Building Automation Systems to coincide with building of complex. Required to submit schedule update information to construction manager and prepare work schedules for electrical and mechanical trades.

***Chrysler Technology Center, Auburn Hills, Michigan
1988-1991***

Project controls engineer worked with owner, construction manager, architects and contractors to plan and schedule \$1.2 billion engineering headquarters. Responsibilities included development and maintenance of over 10,000 activity logic driven and resource loaded schedule through design and construction, and reporting progress and issues to owner.

***Anheuser-Busch, St. Louis, Missouri
1987-1988***

Project controls engineer worked with project managers to prepare budgets, schedules and reports for multiple projects including breweries, bakeries, theme parks and farms



PATRICIA J. NICHOLS, PMP

*Electronics and Space Division, Emerson Electric, Florissant, Missouri
1978-1987*

Responsibilities included production planning and manufacturing engineering functions including the release of purchase orders to support manufacturing. Assigned to AV-8B Harrier controls testing systems project to monitor budget, schedule and quality of prototype.