

FRANK E. BURCHART, P. ENG., PMP (retired)

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Education

Bachelor of Science, Civil Engineering, Clarkson College of Technology, 1964

Project Management Professional, University of Toronto, 1996

Project Management Professional (PMP) Certification, Project Management Institute, 1997

Project Management Professional Certificate Course, training for teaching potential candidates for certification under the Project Management Institute, University of Toronto, 1998

Continuously participating in many courses and seminars for Project Management and Construction Management. Certified as a Project Management Professional by the Project Management Institute (PMI), 1966 to Present.

Professional Affiliations

J.H. Parker & Associates, Kingston, Ontario

Bates Project Management, Ottawa, Ontario

DELCAN, Toronto, Ontario

Hatch Associates, Mississauga, Ontario

HatchMott, Mississauga, Ontario

Ontario Society of Professional Engineers (ID # 0000029)

Project Management Institute (ID #10070)

Professional Engineers Ontario (ID #6050017)

Summary of Experience

Project Management Consultant to the initial Sudbury Neutrino Observatory (SNO) Project (seconded to Queen's from UTDC), during the preparation of the project implementation plan and estimate through obtaining of project funding and approval.

A Professional Engineer in the province of Ontario, Canada and a Certified Project Management Professional with 28 years experience in Project Management and 17 years in Construction Management, specializing in; project implementation, project management mentoring, scheduling, scope, cost and contract managing.

Relevant Experience

PROJECT MANAGEMENT

28 years of Project Management experience totaling 10 major programs/projects for a total of 7.3 billion dollars. Experience included extensive contract administration, and support as expert witness, arbitration hearings, and construction disputes mediation. Specializing in; project implementation, project mentoring, training, schedule, cost, scope, and contract management.

CONSTRUCTION

17 years of Construction Management experience, consisting of 6 major contracts and 65 miscellaneous contracts for a total of approximately 500 million dollars. Experience included court appearance for support in construction litigation, procurement, contract administration, scheduling, cost control, and reporting.

SPECIAL QUALIFICATIONS

Norcat Qualification #664860 (May 2007) Expires May 2009

Locking and Tagging Core Module Expires May 2010

Certified Project Management Professional (PMP retired) (ID # 10070)

Primavera Project Management software (P5 April 2007)

MS Project 2003 scheduling

Scope management and cost control - PMP

Scheduling implementation and analysis - PMP

Hands on use of Cost management and reporting software.

Safety Oriented First Aid, St. John Ambulance, February 1998, April 2000,

Hazardous Material (WHMIS), February 2001, Sept 2004, May 2008

Contract administration and change negotiations

Career History

- 1998 – Present **PMCM Services. Kingston, Ontario, Canada.** Owner. Consultant in Project Management and Construction Management Services. – Project Management Mentoring, Training and Support. Specializing in Scheduling, Cost Control and Contract Administration. Consulting to INCO on the Copper Cliff Deep Project for 2 years. Consulting to Hatch/Falconbridge for 5 years on the Nickel Rim Project (Criteria stage thru Feasibility to completion of site construction), Onaping Depth Mine and Fraser Morgan Feasibility Studies. Consulting to Bombardier on scheduling. Consulting to Parker Associates on Project Management documentation for the Transit industry, eg: to Kawasaki Heavy Industries for the Production Schedule on the New Jersey Path Cars and NY. M8 Passenger Car: to Siemens Canada for the bid schedule on the upgrades to Union Station.
- 1992 – 1998 **DELCAN Consultant.** Toronto, Ontario, Canada. *Senior Project Manager. Part of consortium on the Toronto Transit Commission Subway expansion including Sheppard Subway.*
- 1990 – 1992 **UTDC/Bombardier.** Republic of Turkey. *Project Director.*
- 1989 – 1990 **UTDC,** Republic of Turkey. *Manager. Management Information Systems (MIS).*
- 1982 – 1989 **UTDC Inc. / Bombardier Inc.,** Millhaven, Ontario, Canada. *Project Manager for Corporate Project Planning and Control, Vancouver and Detroit Transportation Systems Installations. Project Manager Mentor to SNO Project, during project planning and funding approval.*

FRANK BURCHART

- 1981 – 1982 **Sinclair Supply Company Ltd.**, General Contractor. Kingston, Ontario, Canada. *District Manager (Kingston Area).*
- 1974 – 1981 **Panther Engineering and Construction Ltd.** Kingston, Ontario, Canada. General Contractor, President and CEO.
- 1971 – 1973 **Caribou Construction Company, Kingston, Ontario, Canada.** Partner/Shareholder in Construction Company. General Contractor.
- 1969 – 1971 **Canadian Bechtel Ltd. Copper Cliff, Ontario, Canada.** Project Engineer/Project Coordinator. Turnkey Design and Project Construction Management Consultant.
- 1964 – 1969 **Fraser Brace Engineering, Dupont Site, Kingston, Ontario, Canada.** Project Engineer/Project Coordinator. General Contractor and Construction Management.

Professional Development

Project Management Institute (PMI) and Member of Toronto and Ottawa Chapters

Engineering Institute of Canada

Kingston Construction Association

Ontario Society of Professional Engineers

Association of Professional Engineers of Ontario

Kingston Chamber of Commerce

COMPUTER EXPERIENCE

CostTrack 2000 , Project Management budget, cost, procurement management software

iPAS Project Management system Hatch, Proprietary Software

Managed the MIS (Management Information System) for UTDC, on HP mini.

Microsoft Office 2003 Software (Word, PowerPoint, Excel, Project, Publisher)

Windows Xp Professional

Primavera P5

Primavera Suretrak Project Manager 2.0

M S Project 2003/2007

Internet

PCAT an Action/Correspondence tracking system

PROJECT MANAGEMENT CONSULTING

PM Consultant to the SNO Consortium during the preparation of Project Management Plan and estimate for funding approval.

As a certified Project Management Professional, provide consultation, mentoring, teaching, implementation and training to clients in Project Management knowledge areas. Consisting of: Integration, Scope, Time, Cost, Quality, Human Resource, Communications, Risk and Procurement Management.

Support fellow consultants during proposals for planning and implementation of Project Management Methodology to their projects.

FRANK BURCHART

Write documents on Project Management for Corporations and Consultants.

Prepare and deliver seminars and presentations on Project Management with Bates Project Management of Ottawa

Support Corporation in Feasibility, Rate of Return, and Sustaining Capital analysis.

Supply services for Contract Administration, scheduling, cost analysis and contract change management.

PROJECT MANAGEMENT EXPERIENCE

Project Management Mentor and scheduler for Vale INCO on the Copper Cliff Deep Project in Sudbury, Ontario.

Project Management Mentor, scheduler, Contracts Administrator and document writer for Hatch Associates at the Falconbridge Mines, Nickel Rim South Project, and Onaping Depth Project, Sudbury, Ontario

Mentor and document writer for major transportation projects, World Wide. Including manufacturing and project schedule review.

Senior Project Management assignments to the Toronto Transit Commission for both the Eglinton and Sheppard Subways. Specialized in: scheduling, cost management, change order control, claims/negotiations and litigation management.

Project Director , Responsible for preparation of Project Management Plan and Project Implementation for Ankara Metro System.

Managed and coordinated Preliminary Civil Design between designer, owner, subcontractor and General Contractor.

Responsible for Corporate Project Management Software for Management Information Systems. Planning of, all programs and projects, including establishment of Corporate Project Management Manual, Project Schedules and Project reporting.

Responsible for all aspects of Project Implementation, including design, manufacturing, construction, commissioning and operations for the Vancouver Skytrain, Detroit People Mover, Ankara Metro System and Toronto Transit Commission. Specialized in schedule, scope, cost, and contract management.

Established and maintained Corporate project control computer systems (micro and mini) for the control of schedule, costs and financial reporting for Corporate Project Planning and Control.

Standardized procedures and report formats.

Supported and audited all site project control activities, including: schedule, cost and administration.

Implemented and monitored training of corporate employees in the use of computer systems for scheduling, cost control, document control and project reporting.

Chairman of the Project Change Control Board for review and acceptance of all Project Changes on Vancouver, Detroit and Toronto systems.

CONSTRUCTION MANAGEMENT EXPERIENCE

Management (as owner) of design, bidding and construction of commercial, industrial and institutional facilities at Panther Engineering and Construction Ltd.

Partner and Manager for all construction for Caribou Construction Company, including estimating, scheduling and direct field supervision for residential development and road and services installation. Managed all fieldwork, including engineering, construction, cost control, scheduling and tendering for Quebec North Shore Pulp and Paper.

On-site quality control, supervision of field engineers and coordination of site meetings at Inco's Ore Separation Plant in Sudbury, Ontario.

Performed duties of Field Engineer, Cost Control Engineer, Project Coordinator, Schedule and Project Engineer at Fraser Brace Engineering, Dupont Site. Liaison between the Owner, Dupont of Canada, the Architect and the Contractor, including management of project quality, cost and schedule. Project size was 50 million in 1969 dollars

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