

Kelly M. Bates, EIT, PMP
Facilities & Project Engineer

[6455 South Garland Court, Littleton, CO 80123](http://www.geocities.com/tradkelly/resume.html)

Phone: 720.981.4051 (h) 303.981.4051 (w)

Email: kelly.bates@mailcity.com

Please Visit my Resume Online for Project Details and Samples of my Work History:
<http://www.geocities.com/tradkelly/resume.html>

EDUCATION:

- PMP (Project Management Professional), Project Management Institute, June 2003
- M.S. Industrial & Systems Engineering, USC, Pueblo, CO, 2001, GPA: 4.00
- E.I.T. (Professional Engineer Intern/In Training), October 1999
- B.S. Mechanical Engineering, Clarkson University, Potsdam, NY, 1993, GPA: 3.61

CERTIFICATIONS & CLEARANCES:

- DoD & DISCO **Interim TOP SECRET (TS)** Clearance, current at **SECRET** thru 2011
- Mechanical Drafting and CAD - four years training, seven years working experience
- NACC Fiber Optics & CAT5/5E/6 certifications
- Allen Tel & Group IV CAT6 planning and installation certification
- Emergency Medical Technician (EMT-Basic)

EXPERIENCE:

Principal Engineer, Facilities Engineering. July 2004 to Present: [Computer Sciences Corporation](http://www.computer-science.com) (CSC), assigned to [Defense Information Systems Agency](http://www.disa.mil) (DISA) Computing Services.
Facilities engineering (facility operations, planning, & design), 2004-Present.
Base Operating Support (BOS) project engineering, 2004-Present.

DISA Computing Services, Facilities Engineering Team (CD523) provides comprehensive facilities engineering for 20 data processing facilities, supporting a variety of distributed national security processing elements for classified and unclassified programs. I have team lead responsibility for the BOS program, providing operational, programmatic, and contract support for all operations & maintenance requirements to keep these facilities operational and efficient.

All operational technical requirements (mechanical, HVAC, electrical, SCIF and computer room design and build-out, life safety, environmental, fire suppression, security systems, operations support, and computer room raised floor management) for these 20 sites under a \$100k/yr capital threshold are the sole responsibility of the BOS team.

- ***Project Management:*** Systematically plan, organize and control allocated resources to accomplish project cost, time and performance objectives. Conduct detailed requirements analysis. Develop & manage operations-enhancement projects to support new external customer workloads, programs, and construction/build-out initiatives. Manage a budget of \$5-9 million per year to support the BOS program, dependent on current requirements.
- ***Support Site Contract Requirements:*** Complete and communicate requirements analyses for complex and integrated facility systems as they relate to other facility and organizational systems. Coordinate with internal customers (site Facility Managers) to gain understanding of site-specific requirements and conditions. Use facility management background, knowledge of individual site unique situational requirements, DISA short- and long-term operations and modernization plans, and experience with industry and trade sources to develop clear, concise, and correct Statements of Work (SOWs) for contractors and host organization support agencies to follow in order to accomplish the stated and implied requirements as well as to meet other functional area needs (such as security and networking). Provide ongoing technical representation of requirements through the entire Acquisition life cycle.
- ***Support Site BOS Agreements:*** Review site requirements and host installation services both on written Interagency Support Agreements (ISAs) and with site personnel. Conduct and attend meetings with host installation support agencies to discuss proffered support options and to negotiate appropriate services and reimbursements for services offered. Provide technical input to ISA reviews and updates.

Kelly M. Bates, EIT, PMP
Facilities & Project Engineer

- Engineering Expertise: Function as Subject Matter Expert (SME) for a variety of facilities-related issues, provide input, and make recommendations based on guidance from applicable Codes, standards, regulations, instructions, and other guidance. Develop specifications, justifications, plans, and perform analytical studies for non-Capital projects and initiatives. Communicate SME knowledge to management and stakeholders as it relates to their needs.
- BOS Process Improvement: Understand DISA short- and long-term operational and modernization plans relating to BOS activities at DISA Computing Services data processing facilities. Develop tools, techniques, and procedures to stabilize and improve existing and future processes and standards to accomplish work and to enhance communications within the organization. Critically review and work on continuous improvement of BOS process factors to enhance support effectiveness.
- Specific BOS Initiatives: Develop enterprise-wide technical SOWs for such facilities systems as underfloor cleaning and sealing, security escort support, roofing asset management, and new technology lightning protection systems, in addition to more typical site-specific contracts for items such as generator maintenance, security systems replacement and maintenance, custodial services, raised floor equipment and power installation support, and Blanket Purchase Agreement (BPA) electrical support.

Senior Project Engineer, Facilities Engineering. November 1997 to July 2004: [ManTech](#) National Security Systems Group (NSSG), Systems & Mission Assurance Division.

Mechanical (industrial systems) & Electrical engineering, 1997-2004.

Engineering project management, 1998-2004.

Facilities engineering (facility planning and design), 1999-2004.

Network planning, installation, and integration, 1999-2004.

Information technology (IT) Systems Administrator, 2001-2004.

Engineering project management and engineering:

- Analyze current operations and conceptualize new projects to meet identified needs and goals, including complete requirements & functional area analysis
- Prepare and present engineering studies for new projects to customer principals
- Provide customers with cost-effective alternative solutions to meet their stated requirements and implied goals
- Provide comprehensive engineering cost estimates of proposal alternatives
- Design and present complete facilities engineering solutions for new projects
- Negotiate with and select contractors to perform tasks to standards
- Manage project and vendor budgets and schedules
- Primary technical contact for clients, developing new projects, providing scheduling, and ensuring clients are informed and satisfied with the design and progress of each project
- Conduct project close-out with all deliverables and continue configuration management on facility and program systems.

Specialized network design roles:

- Plan, install, terminate, test, and certify complete Ethernet LAN networks, from user data ports to managed switches, including UTP copper (CAT5e/6) and SM/MM fiber optics (see certifications above)
- Design and build custom data cabling and hardware interfaces for unique military terminal and test equipment.

Process & Quality (Operations) Manufacturing Engineer. May 1997 to Oct 1997: The Trane Company, Water Chiller Business Unit.

Captain, United States Army, Infantry. May 1993 to Apr 1999: Company Executive Officer (XO), (April 1996 - May 1997), Battalion Liaison/Training Officer, (April 1995 - April 1996), Platoon Leader, (June 1994 - April 1995).

Kelly M. Bates, EIT, PMP
Facilities & Project Engineer

ACTIVITIES:

Professional Activities: Member, Project Management Institute ([PMI](#)). Associate Editor, Camp4 (<http://www.camp4.com>). Assistant Editor, RunningPlaces (<http://www.runningplaces.com>).

Publications: "Investigations of Alternative Solution Methods to the 1-Median Location Problem on a Sphere," Thesis for MSISE degree, publication 5 May 2001.

REFERENCES: Available upon request.