



BOLTON & MENK, INC.

By Design

Summer 2004
Volume XIV • Number 2

1949-2004

Bolton & Menk Turns 55 This Year



Martin C. Menk, Jr. at the First "Office" in 1949

BOLTON & MENK'S continued and steady growth has rapidly escalated since we celebrated our 50th anniversary back in 1999. The breadth of capabilities we now offer our clients has come a long way from that small garage in Saint Peter where Martin Menk and John Bolton started it all in 1949. This issue of *By Design* highlights some of our more notable advances over the past five years. 🛠️

INSIDE

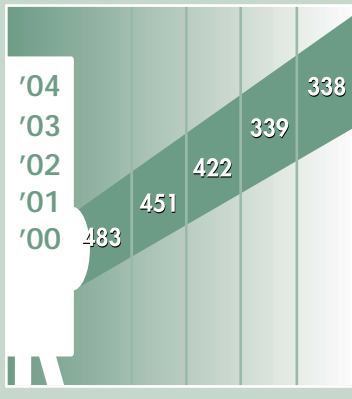
Transportation
Department
Additions

Young Engineer
of the Year

St. Peter's New
Wastewater
Treatment Facility

Bolton & Menk Advances in ENR Ranking

Over the past five years we have steadily climbed the ranks of *Engineering News-Record's* Top 500 Design Firms. This year we are at 338. We debuted on the list in 1997 at 480.



Office Growth

We added an office in Chaska in 2001, when William R. Engelhardt & Associates joined with Bolton & Menk bringing an additional regional presence on the west side of the metro area.

The most visible change to Bolton & Menk over the past five years occurred in December 2000 when we moved our Mankato office into a larger building. Located in Mankato's Eastwood Industrial Centre, this building also serves as our corporate headquarters.

The Willmar staff moved into a new facility in January 2004 after outgrowing their downtown location. The Willmar office is now located on Highway 12 near the east entrance to Willmar. The Chaska staff has grown by more than 50 percent since 2001, so they too will be moving into a larger facility this fall. The new location is on Pioneer Trail just off County Road 17.

Menk Scholarship Established

In 2003, Jon and Cheryl Rippke established the Martin C. Menk, Jr., Civil Engineering Scholarship at Minnesota State University, Mankato. The \$500 scholarship is available for qualified juniors or seniors. The scholarship was first awarded in 2004 to Kyle Dushane, a junior from Roseville, California.



Bolton & Menk's Mankato Office



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*Bolton & Menk is an
affirmative action employer.*

www.bolton-menk.com

"One" Office in Many Locations

With all of our offices now linked by a wide area network (WAN), project sharing is accomplished in real time, independent of a given office location. From an operational standpoint, there is virtually no difference between a project being designed down the hall in Mankato or up the road in Burnsville. We can now have all of our expertise in any office location. We have also added video conferencing, which allows us to bring together key people—clients as well as Bolton & Menk personnel—for "face-to-face" meetings at a more cost effective use of our clients' and staff's time.

Growth of Services

As our clients' needs have evolved and expanded, it became evident that a higher level of service was needed in the areas of transportation and water resources. In 2000, our Transportation Department was formally established when key staff members were added to our existing traffic and transportation work force. Ron Roetzel, a 16-year veteran with Bolton & Menk, was named Department Manager.

In 2002, the Water Resources Group was officially established to recognize the engineering staff members who were focusing their energies in this area. To lead this group, Bolton & Menk tapped Bill Douglas, who had been dealing with water resource issues for more than 18 years.

The formal organization of these two groups demonstrates our commitment to provide our clients the best and most comprehensive service possible.

Steady Business Growth Means Jobs

Since marking our 50th anniversary in 1999, our total staff has grown by 58 percent, to a total of 237 so far this year.

'04		237 Employees
'03		231 Employees
'02		221 Employees
'01		194 Employees
'00		168 Employees
'99		150 Employees

Employee Recognition

Bolton & Menk personnel have won numerous awards over the past five years, spanning such categories as engineering excellence, project management and public service. Robert Brown received the 2001 Minnesota Project Manager of the Year Award from the U.S. Rural Development Authority, Mike McNerney received the 2002 USDA Rural Development Project Representative of the Year Award and Jon Rippke received the 2002 Minnesota Society of Professional Engineers (MSPE) Engineer of the Year Award. Particularly notable during that period—and a bright sign for the future—two of our engineers were named Young Engineer of the Year by the MSPE. Dave Martini received the award in 2000, and Brian Malm is the 2004 recipient (see related story on page 3).

Award-Winning Project Work

It is a real testament to the talent of our staff that every year adds to our store of project excellence awards. We are especially proud that since 1999 three different projects have been named Grand Award winners by the ACEC/MN. These projects include:

- City of Madison Water Treatment Facility, 1999
- Green Lake Wastewater and Water Treatment Improvements, 2002
- City of Northfield Wastewater Treatment Facility, 2003.

The Northfield project, in addition to the ACEC/MN award, received the 2002 City Engineers Association of Minnesota (CEAM) Project of the Year Award, a 2003 Minnesota Society of Professional Engineers (MSPE) Seven Wonders Award, and was an ACEC National Award Qualifier.

The Hastings Lock and Dam Improvements Project received the 2002 CEAM Project of the Year Award and the 2001 MPWA Project of the Year Environmental Award.



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Steve Johnson, Pete Sorenson, and Gina Mitchell

Seasoned Experts Expand Transportation Department

When Steve Johnson, Pete Sorenson and Gina Mitchell joined the Bolton & Menk Transportation Department earlier this year, we effectively added more than 80 years of cumulative experience to our team. Even more significant is the specialized knowledge these three bring to the firm.



Steve Johnson
Senior Engineering Technician

Steve Johnson brings new and unique capabilities to Bolton & Menk. As an experienced signal technician in Minnesota, he is among a select group. Steve will be working predominantly in the field, programming traffic signal controllers, and will be directly involved in the installation of signal systems. He also will assist with the development of signal layout plans. Steve joins us as a Senior Engineering Technician after 35 years with the City of Mankato.



Pete Sorenson
Traffic Engineering Specialist

Pete Sorenson has more than three decades of experience in traffic engineering, first with Mn/DOT, and for the past 23 years with Dakota County. As the Manager of Dakota County's Traffic Engineering Section, Pete oversaw the design, operation and maintenance of traffic signs, signals and pavement markings. Over the course of his career, Pete has assisted in the presentation of courses on traffic engineering and roadside design through the University of Minnesota and the Minnesota Department of Transportation. As Bolton & Menk's new Traffic Engineering Specialist, Pete is responsible for project development and management of traffic engineering projects.



Gina Mitchell
Transportation Planner

Gina Mitchell comes to Bolton & Menk with more than 10 years of experience as a Planner with the City of Prior Lake, Carver County and, most recently, as a Principal Planner for Scott County. Gina is particularly adept at facilitating group consensus building. As a project leader, Gina's expertise includes defining issues, scope and process for plan completion; facilitating multi-faceted participation and input; conducting public meetings and presenting findings. Gina's responsibilities with Bolton & Menk include highway corridor studies, county and city transportation studies, and leading environmental studies for transportation projects.

Collectively, Steve, Pete & Gina bring more than 80 years of experience to Bolton & Menk's Transportation Department. Clients will benefit tremendously from the variety and depth of their experience.

MSPE Names Malm 2004 Young Engineer of the Year

We are very proud to announce that Brian Malm, P.E., a Project Manager in the Mankato office, has been awarded the 2004 Young Engineer of the Year Award by the Minnesota Society of Professional Engineers (MSPE). The award recognizes outstanding technical, professional and community achievements by a young engineer under the age of 35.

Brian has been an active member of the local MSPE Traverse Des Sioux (TDS) Chapter for many years, including a term as chapter president. In addition to his volunteer efforts with MSPE, Brian teaches a 2-hour seminar class on Professional

Brian Malm, Project Manager in the Mankato Office, has been awarded the 2004 Young Engineer of the Year Award.



Brian Malm, P.E.
Project Manager

Licensure and Ethics in Engineering for the Civil Engineering program at Minnesota State University, Mankato. He is also involved in the local community and has taught Sunday school classes to three and four year olds at his church.

Some recent projects of interest that Brian has designed include: sanitary sewer lift stations for the cities of Waterville, Waseca and Madison Lake; water distribution system analysis for the City of Belle Plaine; water towers for the cities of Janesville and Belle Plaine; and individual sewage treatment systems for Washington and Aitkin Counties.

Brian is currently responsible for the management and design of numerous projects, including this summer's Lookout Drive Reconstruction project in North Mankato.

European Technology Solves City of Saint Peter's Problem

The May 19th grand opening of Saint Peter's new Wastewater Treatment Facility marked the culmination of 10 years of planning, design and construction. And as befits an environmental project of this magnitude—upwards of \$31 million in funding—local and state dignitaries, including MPCA Commissioner Sheryl Corrigan, turned out to celebrate the accomplishment.

The existing treatment facility, built in 1961, included 200 acres of stabilization ponds located in the Minnesota River floodplain. Flood waters from the river had inundated the ponds several times over the years. The challenge was to design a solution which



Sheryl Corrigan, MPCA Commissioner

would eliminate this problem and serve the city for years to come.

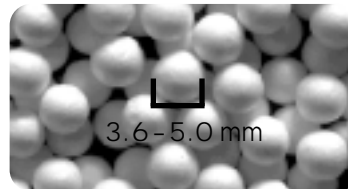
In the end, the City selected an advanced technology process that was first developed in Europe. The system is characterized by a parallel plate clarification system; biological aerated filters (BAF); ultraviolet (UV) light disinfection; and production of Class A biosolids.

Bolton & Menk's project engineers traveled to Europe to research the technology and discovered that it presented particular advantages over more traditional treatment methods. By using the combination of parallel plate clarification and the BAF system, the plant requires a much smaller footprint. Furthermore, it is completely self-contained within a single

structure and, as such, offers a whole new realm of facility location possibilities.

The Saint Peter facility was designed to accommodate anticipated growth through 2020, and it has expansion capabilities to address additional population growth projected through 2040.

Given the fact that Saint Peter is located along the western bank of the Minnesota River, city officials and residents were particularly mindful of the need to protect this natural resource. The new facility does that and more. It effectively removes the flooding problem, fits well among the City's industrial park neighbors and represents a long-term investment in the future of the city.



BAF Polystyrene Bead Media

To find out more about the unique technology in Saint Peter's Wastewater Treatment Facility, contact Bob Brown at 507-625-4171.



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