

**Job ID:** 68647 - Engineering Technician

**Location:** St. Paul

**Full/Part Time:** Full-Time

**Regular/Temporary:** Unlimited

**Working Title: Engineering Technician**  
**Job Class: Engineering Specialist**  
**Agency: Board of Water and Soil Resources**

- **Who May Apply:** Open only to current state employees
- **Date Posted:** 11/27/2023
- **Closing Date:** 12/06/2023
- **Hiring Agency/Seniority Unit:** Board of Water & Soil Resources/ MGEC
- **Division/Unit:** BWSR HR / Engineering
- **Work Shift/Work Hours:** Days
- **Days of Work:** Monday - Friday
- **Travel Required:** Yes, Est 20 days
- **Salary Range:** \$28.22 - \$41.71 / hourly; \$58,923 - \$87,090 / annually
- **Classified Status:** Classified
- **Bargaining Unit/Union:** 212 - MN Govt Engineers Council/Engineers
- **Last Incumbent:** Jared Schmitz
- **Supervisor Name:** Tom Wenzel
- **FLSA Status:** Nonexempt
- **Hybrid Work Eligible:** Yes
- [Designated in Connect 700 Program for Applicants with Disabilities:](#) Yes

## **Make a difference in the lives of Minnesotans.**

The work you'll do is more than just a job. Join the talented, engaged and inclusive workforce dedicated to creating a better Minnesota.

## **Job Summary**

The position exists to perform engineering technician work for investigations, design, and construction supervision of conservation practices for soil erosion control, water quality protection, and fish and wildlife habitat restoration with an emphasis on restoration of drained and degraded wetlands and shallow lakes. The incumbent serves as an engineering technician providing project management and technical assistance to a wide range of civil and agricultural

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engineering projects, all under the direction of a professional engineer or Senior Engineering specialist, as assigned. The position purpose includes development and coordination of effective engineering technician assistance, in partnership with Soil and Water Conservation Districts (SWCDs), other local, state, and federal governmental units, and protect partners.

### **Duties Include:**

- Performing site investigations, researching available information, and developing project concept plans.
- Preparing accurate, clear, comprehensive, and well organized feasibility studies, preliminary designs, and design reports.
- Preparing final designs, construction plans, specifications, and associated project construction documents.
- Providing necessary inspection, supervision, and construction management of assigned projects.
- Providing assistance and technical support to Section and other agency staff to help maintain agency/unit operations and perform other related duties.

## **Minimum Qualifications**

- Three (3) years of para-professional experience in site investigation, design, layout, and construction of civil/agricultural engineering practices. An associate's degree in Civil Engineering Technology, Design and Drafting, or closely related field may substitute for one (1) year of experience.
- Proficient skills using AutoCAD Civil 3D for civil engineering computer aided design and survey functions.
- Ability to interpret maps, aerial photos, and LiDAR data; and prepare exhibits, maps, and plans from survey data.

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- Ability to develop construction plans, specifications, and cost estimates for projects with varying complexity.
- Ability to operate field equipment including pickup trucks and all-terrain vehicles (ATV's) and to work in rough terrain and adverse weather conditions.
- Written and oral communication skills sufficient to convey information to affected parties with varying amounts of knowledge and expertise.
- Human relations skills sufficient to interact with landowners and agency clientele, and assure program compliance and construction quality.

## **Preferred Qualifications**

- Ability to verify compliance with construction plans and specifications, prepare field reports, conduct as-built surveys, and prepare as-built drawings, and final project certifications.
- Leadership skills to serve as a survey crew leader and provide positive leadership to staff, local government, state and federal partners, and conservation program's clientele to meet project goals and objectives.
- Ability to conduct field surveys and interpret/reduce survey data using a variety of survey equipment including survey grade GPS.
- Ability to use computer software and hardware for hydrology and hydraulic analysis.
- Associate of Science or technical college degree specially related to one

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of the following disciplines: Civil, Environmental or Agricultural Engineering, Surveying, Natural Resources and Environmental Studies, Geography, or equivalent.

- Ability to professionally represent BWSR at public and private meetings, convey information accurately, simulate feedback and discussion, and confirm decisions made.

## Physical Requirements

The incumbent must have the ability to perform necessary field work on rough terrain, steep slopes, and in adverse weather conditions. The incumbent must be able to operate all field equipment including pickup trucks, all-terrain vehicles (ATVs/UTV's), survey equipment, and both mechanical and manually operated equipment for performing a variety of subsurface and geotechnical investigations. Extensive travel across a broad geographic area should be expected and possession of a valid state of Minnesota Driver's License will be required. The incumbent is expected to work in wet and humid conditions and be able to lift and/or move heavy objects and equipment. The incumbent must have adequate vision levels to successfully perform expected duties including the ability to see close, far, colors, peripherally, to adjust/focus and to have depth perception.

## Additional Requirements

This position requires an unrestricted Class D Driver's License with a clear driving record.

It is policy of the Board of Water and Soil Resources that all candidates submit to a background check prior to employment. The background check may consist of the following components:

1. Employment Reference Check
2. SEMA4 Records Check
3. Criminal History Check
4. Driver's License DMV Check
5. Conflict of Interest Review

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6. [Education/License Verification](#)

## **How to Apply**

Select "Apply for Job" at the top of this page. If you have questions about applying for jobs, contact the job information line at [651-259-3637](tel:651-259-3637) or email [careers@state.mn.us](mailto:careers@state.mn.us). For additional information about the application process, go to <http://www.mn.gov/careers>.

If you have questions about the position, contact Thomas Wenzel at [thomas.wenzel@state.mn.us](mailto:thomas.wenzel@state.mn.us) or [651-296-0883](tel:651-296-0883).

To receive consideration as a Connect 700 Program applicant, apply online, email the Job ID#, the Working Title and your valid Proof of Eligibility Certificate by the closing date to Patricia Sweep at [patricia.sweep@state.mn.us](mailto:patricia.sweep@state.mn.us).

## **Why Work for Us**

### **Diverse Workforce**

We are committed to continually developing a workforce that reflects the diversity of our state and the populations we serve. The varied experiences and perspectives of employees strengthen the work we do together and our ability to best serve the people of Minnesota.

**A recent engagement survey of State of Minnesota employees found:**

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- 95% of employees understand how their work helps achieve their agency's mission
- 91% of employees feel trusted to do their jobs
- 88% of employees feel equipped to look at situations from other cultural perspectives when doing their job
- 87% of employees report flexibility in their work schedule

## Comprehensive Benefits

Our benefits aim to balance four key elements that make life and work meaningful: health and wellness, financial well-being, professional development, and work/life harmony. As an employee, your benefits may include:

- Public pension plan
- Training and professional development
- Paid vacation and sick leave
- 11 paid holidays each year
- Paid parental leave
- Low-cost medical and dental coverage
- Prescription drug coverage
- Vision coverage
- Wellness programs and resources
- Employer paid life insurance
- Short-term and long-term disability
- Health care spending and savings accounts
- Dependent care spending account
- Tax-deferred compensation
- Employee Assistance Program (EAP)
- Tuition reimbursement
- [Federal Public Service Student Loan Forgiveness Program](#)

**Programs, resources and benefits eligibility varies** based on type of employment, agency, funding availability, union/collective bargaining agreement, location, and length of service with the State of Minnesota.

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### AN EQUAL OPPORTUNITY EMPLOYER

Minnesota state agencies are equal opportunity, affirmative action, and veteran-friendly

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employers. The State of Minnesota recognizes that a diverse workforce is essential and strongly encourages qualified women, minorities, individuals with disabilities, and veterans to apply.

We will make reasonable accommodations to all qualified applicants with disabilities. If you are an individual with a disability who needs assistance or cannot access the online job application system, please contact the job information line at [651-259-3637](tel:651-259-3637) or email [careers@state.mn.us](mailto:careers@state.mn.us) and indicate what assistance is needed.