

2025 EARLY ACHIEVEMENT AWARD

Jenna Roadley, M.Sc., P.Eng.



Jenna Roadley, M.Sc., P.Eng., is an accomplished geotechnical engineer whose career trajectory exemplifies excellence in engineering practice, mentorship, research, and community service.

Born and raised in Winnipeg, Jenna earned her Civil Engineering degree with honors at Bradley University, Illinois, where she also competed on the women's golf team. She has since pursued a diverse career in the private sector, public service, and software industry. Jenna began her career with TREK Geotechnical, working across Canada on major infrastructure projects in the civil, mining, and energy sectors. She contributed to the geotechnical scope and design for the Manning Canal rehabilitation, the Keewatinohk Converter Station, and multiple Bus Rapid Transit bridges for the City of Winnipeg. She later joined Manitoba Transportation and Infrastructure, where she served as a geotechnical reviewer on high-profile projects like the St. Mary's and McGillivray interchanges and led applied research into pavement deterioration on PTH 59S.

While in these roles, Jenna completed her Master of Science degree at the University of Manitoba. Her thesis on the performance of helical piles in Winnipeg's clay and till soils was praised for its practical relevance and methodological clarity. In addition to her own research, she regularly guest lectured in

geotechnical engineering courses, providing hands-on instruction and real-world case studies that inspire students to explore the dynamic world beneath our feet.

Currently, Jenna works at Seequent, a global leader in subsurface analysis software. In her role as a geotechnical applications engineer, she provides technical guidance to engineering teams worldwide, helps users tackle complex soil-structure interaction challenges, and contributes to research and learning content in the field of geotechnical numerical analysis.

Deeply committed to giving back, Jenna has mentored high school and university students—particularly young women exploring STEM fields. She has participated in outreach events such as WISE Kid-Netic Energy's "Make Your Move" event and previously led STEM enrichment workshops for middle school students. She continues to share her personal experiences to support students entering the field. Her mentorship has been described as candid, encouraging, and empowering.

Jenna's service to the engineering profession includes over five years on Engineers Geoscientists Manitoba's Sports and Social Committee, and as an assessor for the competency-based licensing process. Nationally, she plays an active leadership role with the Canadian Geotechnical Society, including co-chairing the 2025 Young Professionals Conference and serving as section director for the Manitoba Chapter. Outside of engineering, Jenna's compassion shines through her volunteer work as a dog walker with the Winnipeg Humane Society and a former foster with K9 Advocates, having welcomed over 30 dogs into her home. She also coaches girls' volleyball and junior golf clinics to encourage confidence, teamwork, and a love for sport.

In recognition of her exceptional early career accomplishments, unwavering commitment to advancing the profession, and meaningful contributions to the community, Engineers Geoscientists Manitoba is proud to present the 2025 Early Achievement Award to Jenna Roadley, M.Sc., P.Eng.