

MOULAY Y. MONSIF

Toronto, ON

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Summary of Qualifications

- Scheduled and conducted soil-cement deep mixing laboratory testing including compressive strength and permeability.
- Used field investigation reports to extract the necessary data for soil-cement mix design.
- Scheduled and conducted geotechnical laboratory testing for different soils in Ontario including tailing, peat and organic soil, and soft clay.
- Analyzed and compiled laboratory test data for further use in foundation design.
- Reported and presented the geotechnical testing results to our industry partners.
- Developed Ultra High-Performance Concrete based on different mix design.
- Led a road construction team and related engineered structure such as retaining walls, culvert, and concrete drainage channels.
- Used programs such as Slope W for slope stability modeling and analysis, Settle 3D for foundations modeling and settlement calculations, and AutoCAD for drawings.
- Languages: English, French, Arabic and German.

Work Experience

Ryerson University

Research Assistant

Toronto, Ontario

May 2017- Present

- Scheduled and conducted geotechnical testing program to evaluate the potential effectiveness and performance of in-situ stabilization of organic-rich soil and petroleum contaminated organic clayey/silty soil of Toronto waterfront.
- Compiled and helped in data analysis of 41 full-scale micropiles static load tests to statistically evaluate the reliability of micropiles installed in different parts of Ontario.
- Conducted laboratory geotechnical testing to evaluate the potential effectiveness and performance of Deep Soil Mixing in treating tailing soil of a tailing dam in Kirkland, Ontario.

Ryerson University

Research Assistant

Toronto, Ontario

Dec 2015- Apr 2016

- Investigated the mechanical behaviour of the Ultra-High-Performance Concrete and Ultra-High-Performance Fiber Reinforced Concrete obtained with different concrete constituents and mix design.
- Managed all quality assurance materials testing for fresh and hardened concrete according to the standards.
- Produced associated reports and calculations.

Amitie Travaux

Road Construction Superintendent

Meknes, Morocco

June 2006- June 2012

- Ensured health and safety regulation are followed.
- Prepared project reports to update clients.
- Maintained solid lines of communications with the project manager and other stakeholders.
- Placed orders for materials and was responsible for equipment and materials on site.
- Ensured quality standards are met.
- Followed projects timeline to ensure deadlines are met.

Education

- MSc in Geotechnical Engineering, Ryerson University (Toronto, ON, Expected May 2020).
- Bachelor of Civil Engineering (GPA 3.91), Ryerson University (Toronto, Ontario, May 2018).
- Advanced Diploma in Civil Engineering, Office de Formation Professionnelle et Promotion du Travail OFPPT (Meknes, Morocco, May 2006).

Awards and Achievements

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| • Ontario-Baden-Wuerttemberg scholarship to spend a semester in Germany | Ontario Ministry of Training Colleges and Universities (Jul 2019) |
| • Ryerson Graduate Scholarship | Ryerson University (Jun 2019) |
| • Canada Graduate Scholarship | NSERC (Apr 2018) |
| • American Concrete Institute ACI Scholarship | ACI (Nov 2107) |
| • Undergraduate Student Research Assistantship Award (USRA) | NSERC (May 2107) |
| • 4 times Dean's List Award | Department of Civil Engineering Ryerson University (2105-16-17-18) |

Professional Memberships and Affiliations

- Engineer-In-Training (EIT) Professional Engineers Ontario.
- Engineer-In-Training (EIT) Minnesota Board of AELSLAGID.
- Member of the Canadian Geotechnical society CGS.

Publications

- Monsif, Y., Liu, J. & Gursaud, N., (2020). "Microstructures of cement-treated Champlain Sea clay at different leaching conditions" DFI, Deep Mixing Conference, Gdansk, Poland, June 15-18, 2020. (Paper accepted)
- Youssef, M., Liu, J. & Gursaud, N., (2019). "Fundamental mechanism of cement in stabilizing Champlain Sea Clay." 72nd Canadian Geotechnical Conference, St. John's, NL, September 29 to October 2, 2019.
- Ahmed, M. S., Sennah, K. & Monsif Y. (2106) "Mechanical behaviour of Ultra-High-Performance Concrete obtained with different concrete constituents and mix designs" CSCE Annual Conference London, Ontario, June 1-4, 2016.