

## Senior Aggregate Resources Engineer

Are you a professional engineer with a background in aggregate resource management and seeking an opportunity to apply your expertise in the field of highway engineering? If so, consider bringing your skills to the Transportation Infrastructure Management Division of the Ministry of Transportation (MTO).

### **OPS Commitment to Diversity, Inclusion, Accessibility, and Anti-Racism:**

We are committed to build a workforce that reflects the communities we serve and to promote a diverse, anti-racist, inclusive, accessible, merit-based, respectful and equitable workplace.

We invite all interested individuals to apply and encourage applications from people with disabilities, Indigenous, Black, and racialized individuals, as well as people from a diversity of ethnic and cultural origins, sexual orientations, gender identities and expressions.

Visit the [OPS Anti-Racism Policy](https://www.ontario.ca/page/ontario-public-service-anti-racism-policy) < <https://www.ontario.ca/page/ontario-public-service-anti-racism-policy> > and the [OPS Diversity and Inclusion Blueprint](https://www.ontario.ca/page/ops-inclusion-diversity-blueprint) < <https://www.ontario.ca/page/ops-inclusion-diversity-blueprint> > pages to learn more about the OPS commitment to advance racial equity, accessibility, diversity, and inclusion in the public service.

We offer employment accommodation across the recruitment process and all aspects of employment consistent with the requirements of Ontario's [Human Rights Code](http://www.ohrc.on.ca/en/ontario-human-rights-code) < <http://www.ohrc.on.ca/en/ontario-human-rights-code> >. Refer to the application instructions below if you require a disability-related accommodation.

### **What can I expect to do in this role?**

In this position, you will:

- provide supervision to engineers and/or technicians in the conduct of field and/or laboratory projects or investigations.
- plan, and make recommendations for, external innovative systems, methodology and equipment to evaluate/consider for applicability to the ministry programs.
- provide engineering expertise, counsel, and technical support to both ministry staff and outside requestors in all areas of aggregates.
- participate on internal and external technical committees or task groups dealing with ministry/industry issues.

**Note:** You will be required to travel throughout the region to places not accessible by public transit.

**Location:** Toronto

### **How do I qualify?**

#### **Mandatory**

- You are a Professional Engineer, licensed with Professional Engineers Ontario (PEO).

#### **Aggregate Resources and Policy Knowledge**

- You have advanced knowledge of the theory, principles and practices of geotechnical and/or geological engineering and aggregate technology.
- You know and can apply various construction materials or products and construction techniques.
- You have thorough knowledge of quality assurance methods and techniques, and recognized industry standards and specifications (e.g. ASTM), statistical analysis techniques, and testing and evaluation (i.e. equipment and methods).
- You have the ability to comprehend, critically assess and apply existing provincial policies, legislation (e.g. Aggregate Resources Act (ARA)), regulations and land use plans related to the identification, assessment, operation, distribution and rehabilitation of aggregate resources.
- You can manage the administrative oversight of the compliance framework for ministry aggregate sources and implement audit protocols to verify compliance with provincial aggregates policies, legislation, regulations and standards.
- You can develop policies, standards, specifications, and operating guidelines and make appropriate and effective recommendations for present and future operational needs.
- You have experience developing recommendations for new or revised policies, standards,

specifications, operating guidelines, legislation, regulations, and innovative technologies, processes, equipment, products and systems.

### **Relationship-Building, Project Management and Leadership Skills**

- You have the demonstrated ability to establish and maintain effective working relationships with, and communicate effectively to, a range of audiences.
- You have excellent networking skills to liaise with engineering materials professionals and with peers to facilitate shared information resources, and participate on committees to maintain awareness of new technologies and opportunities.
- You have demonstrated project management and leadership skills to motivate staff and provide supervision to engineers and/or technicians and/or consultants on a continual or project-specific basis.
- You have demonstrated experience planning and leading various laboratory and field study projects/investigations, including providing input into performance appraisals and recommending training or actions to address employee or project issues.

### **Communication Skills**

- You have excellent technical writing skills to develop and write formal specifications and technical reports for construction materials and procedures, aggregates and construction-related issues.
- You can prepare briefing notes, directives, presentations, letters and emails using computer software (e.g. MS Office).
- You possess excellent speaking and oral presentation skills to deliver briefings, seminars and training to staff and external clients.

### **Analytical and Problem-Solving Skills**

- You have demonstrated analytical and problem-solving skills to resolve unique and/or complex design, construction, maintenance and performance problems related to aggregates and aggregate resources management policies (e.g. listing of non-commercial sources on the aggregate sources list in the contract tender package).
- You have problem-solving skills to solve unique and/or highly complex technical or engineering problems regarding the use of aggregates in the ministry's design, construction and maintenance operations.
- You have problem-solving skills to make recommendations to resolve issues related to MTO aggregate permits and ensure regulatory compliance to mitigate legal risks.
- You can identify issues that affect the application of aggregate resources management policies (e.g. listing of non-commercial sources on the aggregate sources list in the contract tender package) through discussions with industry groups and liaison committees.

**Salary Range:** \$87,125 - \$130,681 Per Year

#### **Additional information:**

- 1 Permanent, 95 Arrow Rd, Toronto, Toronto Region

#### **Note:**

- The information that you provide for the purpose of this competition and the results from this competition may be used to fill other positions. These positions may be of various tenures, including short-term assignments. Your information and the results from this competition will be retained for the purpose of filling vacancies in accordance with the applicable collective agreement or policy provisions.

Please apply online, only, at [www.ontario.ca/careers](http://www.ontario.ca/careers), quoting **Job ID 194538**, by **Thursday, March 9, 2023**. Please follow the instructions to submit your application. Faxes are not being accepted at this time.

If you require a disability-related accommodation in order to participate in the recruitment process, please contact us at [www.gojobs.gov.on.ca/ContactUs.aspx](http://www.gojobs.gov.on.ca/ContactUs.aspx) to provide your contact information. Recruitment Services staff will contact you within 48 hours. Only those applicants selected for an interview will be contacted.

The Ontario Public Service is an inclusive employer. Accommodation will be provided in accordance with Ontario's *Human Rights Code*.

[www.ontario.ca/careers](http://www.ontario.ca/careers)