

EAST SIDE ROAD AUTHORITY JOB POSTINGS

Successful Applicants for all of the advertised positions will also be required to:

- Work closely with Aboriginal communities;
- Demonstrate problem solving skills in dealing with contractors and consultants;
- Be proficient in relevant computer application;
- Demonstrate good oral and written communications skills; and
- Be highly organized and be able to work both independently and in a team environment.

JOB DESCRIPTIONS

Road and Structures Engineers

Reporting to the Manager of Engineering and Construction, this position has responsibility for working with First Nations Communities and East Side Road Authority staff and consulting engineers associated with the construction of the east side road. Typical duties include:

- Meeting with design engineers on a regular basis to ensure that the design conforms to established policies, standards and procedures;
- Reviewing engineering design proposals for road and bridge construction including cost estimates and conformity to set standards;
- Reviewing construction techniques during functional design ensuring design policy and required approvals can be met and are practical and compatible with field procedures;
- Participating in the preparation of cost estimates budget forecasting;
- Participating in the development of specifications and standards for construction specifications, preparing tenders and awarding contracts;
- Participating in the development of construction scheduling and on-site management of project construction working closely with engineering consultants and contractors ensuring construction is proceeding to plan and on project budget; and
- Contract administration of various projects, conduct field inspections, resolve problem situations, recommend progress payments and perform other duties as required.

The successful applicant will be a Professional Engineer (APEGM) with experience in the field of Structural Engineering related to northern roads and/ or bridge construction. Experience with Primavera or other Contract Management software an asset. Travel in remote areas of Manitoba is a requirement of this position.

Construction Field Inspectors

Working under the guidance and direction of an Engineer or Senior Construction Inspector, this position performs routine skilled and technical construction inspection work and surveys for road works projects and programs. Typical duties include:

- Assuring compliance with standards and contractual provisions to assure that the appropriate construction is completed in compliance with the plans, standards, specifications and special requirements;
- Resolving conflicts within scope of authority;
- Providing information and respond to inquiries from contractors, staff and the general public; and
- Maintaining a variety of logs and records, inspection and construction reports and other documentation.

The successful applicant will be a Certified Engineering Technologist or Technician with experience in contract administration/construction inspection related to heavy civil construction or a combination of education and experience deemed suitable for the position. Familiar with Survey grade GPS equipment and appropriate software to perform check surveys, layout and quantity surveys for road works, stockpiles, and borrows. Travel in remote areas of Manitoba is a requirement of this position as work is located along the East Side of Lake Winnipeg and requires the successful applicant to be on site for extended periods of time.

Environmental Specialist / Inspector

Reporting to the Manager Environmental Services this position has the responsibility for working closely with colleagues in construction, environment, and safety and will work closely with First Nation Communities to build capacity and knowledge. The position is to provide technical and site inspection support to the Manager, Environmental Services regarding the tracking, review, planning and preparation of environmental protection plans, monitoring plans and reports, regulatory submissions, field inspection capability, liaison with external and internal agencies, and assist with report preparation. The position will require extensive field inspection and supervision of consultants and contractors.

Typical duties will include:

- Assist with the development and implementation of Environmental procedures and maintenance of the environmental management plan relative to federal and provincial environmental legislation, regulations and guidelines;
- Conduct job site inspections to identify and monitor for environmental protection and construction requirements relative to environmental at the work site;
- Recommend corrective actions for noncompliance with regulations or environmental specifications and procedures;

- Assist with training and education programs. Work with First Nations to develop and monitor environmental protection procedures;
- Undertake data collection and compilation to provide the basis for analysis;
- Monitor storage of dangerous goods (WHMIS and MSDS);
- Assist in preparing environmental permit applications and working with regulators;
- Assist in the preparation of work plans and construction logistics;
- Attend construction site meetings and develop and deliver site environmental protection orientation;
- Maintain resource and reference material such as current legislation, and other information regarding environmental practices;
- Assist with environmental assessments, maintain reports, and provide updates on a regular basis;
- Assist with the application of various environmental permits and apply permitting requirements (Crown Lands work permits, dangerous goods permits, etc.);
- Draft and review incident investigation reports; and
- Work with ESRA construction and safety personnel with respect to safety issues.

The successful applicant will be a graduate of a recognized environmental science program with field experience. The incumbent shall possess working knowledge of both Provincial and Federal Environmental legislation. Previous experience in environmental inspections in remote areas is an asset. In-depth knowledge of environmental protection relative to the air, soils, and water is an asset. Knowledge of GIS and/or terrestrial biology is an asset. Travel in remote areas of Manitoba is a requirement of this position as work is located along the East Side of Lake Winnipeg and requires the successful applicant to be on site for extended periods of time.

GIS Analyst

Reporting to the Manager Environmental Services, this position has responsibility for the creation of various documents using GIS, remote sensing and mapping technology for both technical (environmental, engineering and construction) and public use, requiring an in depth knowledge of GIS, remote sensing software and it's uses. Provides technical and administrative assistance to Environment, Engineering and Construction as well as providing assistance to Communication divisions. Typical duties include:

- Creation of various documents using GIS and remote sensing technology for both technical (environmental, engineering and construction) and public use requiring an in depth knowledge of GIS and remote sensing software and its uses;
- Analyzing air photo and satellite images, and scientific data, creating mapping, inputting into reports, and making recommendations;
- Providing file management for AutoCad, GIS, satellite and air photography files provided by consultants and in-house;
- Assisting in the review of consultant and construction reports and studies;
- Working with environment, engineer, construction and communications staff responding to

requests from consultants, various interests groups and the general public on site specific maps, plans and related documents related to the Project;

- Establishing quality and quantity standards including researching and developing manual/guidelines for contractors and consultants in terms of their responsibilities pertaining to data files;
- Investigate and prepare a standard comprehensive identification system of roads, railroads, bridges, utilities that are impacted by east side road development for use by all involved in the project;
- Investigate and develop a comprehensive listing of utilities affected by road and bridge construction;
- Develop a comprehensive list of current authorizations and agreements and correlate locations/agreements to legal descriptions;
- Develop and maintain a comprehensive list of legal property descriptions and Crown Land allocations relative to the Project;
- Preparing information required for the environmental licensing process;
- Assisting in the preparation of permits and authorizations;
- Working closely with Environment Officers to establish and carryout and ongoing environmental monitoring program;
- Act as environmental person ensuring compliance with Environmental Approvals, establish and carryout and ongoing environmental monitoring program; and
- Analyze and evaluate scientific data, write comprehensive reports, and make recommendations.

The successful applicant will be a graduate in Environmental Science or related discipline with a thorough knowledge or environmental principles and technology and extensive experience working in the environmental field. Expertise in the areas of water, soil quality and/or terrestrial biology will be an asset. The applicant will have extensive knowledge and experience with ESRI GIS and remote sensing software including the interpretation of air photos and satellite images.

Safety Officer

Reporting to the safety Manager, this position has responsibility for working with First Nation Communities to develop a Certificate of Recognition (COR) program and develop safe work practices and procedures. Typical duties include:

- Assisting with the development of a COR Safety and Health Manual;
- Assist with training and education programs;
- Conducting job site inspections to identify unsafe work conditions and recommend corrective actions;
- Attending construction meetings, maintain resource and reference material such as M.S.D.S., current legislation and related safety and health operating requirements and information;
- Assisting with statistical analysis of workplace injuries, maintain reports, and provide updates; and

- Developing and delivering site safety orientation as well as work with ESRA construction and environment personnel respecting safety issues.

The successful applicant will be a Construction Safety Officer (CSO) or a graduate of a recognized safety and Health program and fully knowledgeable of the COR safety program requirements with several years experience in delivering and managing a comprehensive safety and health program related to heavy civil construction work or combination of education and experience deemed suitable for the position. Field inspection in remote areas of Manitoba is a requirement of this position.