



REQUEST FOR STATEMENTS OF QUALIFICATIONS (RFSQ) No. 23-035

DATE: May 1, 2023

Project Title: Wastewater Pipeline Condition Assessment and Rehabilitation Plan

The Regional District of Nanaimo invites qualified and experienced firms to submit Statements of Qualifications for the implementation of a Wastewater Pipeline Condition Assessment and Rehabilitation Plan. Eligible Firms must have a permit to practice professional engineering in BC issued by EGBC.

A. Intent

This Request for Statements of Qualifications (RFSQ) is issued to determine the most qualified and experienced service provider to meet the Regional District of Nanaimo's requirements, expectations, and timeline.

The Regional District of Nanaimo will review submissions received in response to this RFSQ and enter into discussions with the top-ranked Respondent to negotiate the terms, scope, timeline, and cost based on the actual scope of work required (the Work). Should these negotiations fail to result in a contract for the Work, the Regional District of Nanaimo may then elect to negotiate with the next highest-ranked service provider and so on until an agreement is reached or the process is cancelled.

In any event, the Regional District of Nanaimo shall not be bound to enter into a contract with any Respondent to this RFSQ and, at its sole discretion, may elect to collapse this process.

B. Background

The Regional District of Nanaimo owns and operates 58 kilometers of interceptors, forcemains and gravity sewers to transport wastewater collected from the member municipalities in the region to the wastewater treatment plants. These pipelines range in size from 150 mm to 1650 mm and are constructed primarily out of reinforced concrete, ductile iron, steel and HDPE.

C. Contemplated Scope of Services

The general scope of services requested as part of this RFSQ includes the development of a condition assessment and rehabilitation plan for all pipelines 300 mm and above based on current best practices. The purpose of this program is to assess and ascertain the condition of the pipelines with the intent of predicting the useful life and proactively planning the rehabilitation or replacement to ensure the delivery of a cost-effective and reliable wastewater service to the community.

The development of this program should resemble updated best practices similar to the information provided in the following publications:

- EPA/600/R-09/049 Condition Assessment of Wastewater Collection Systems
- Guidelines for Condition Assessment and Rehabilitation of Large Sewers – Zhao, J.Q; McDonald, S.E; Kleiner, Y.

The program should include, but not be limited to:

1. Assessment prioritization
2. Best methods of assessment based on priority, pipeline material and existing information.
3. Development of inspection work scope and procedure documents.
4. Determination of failure modes and failure mode indicators with allowable limits.
5. Time to functional failure estimates for each failure mode.
6. Assessment frequency determination.
7. Rehabilitation method, high-level rehabilitation plan and order of magnitude capital cost estimate.
8. Data management and presentation plan.
9. The program is to be outlined in a Technical Specification in RDN format.

D. Contemplated Schedule

- i. Final agreement in place by June 30, 2023.
 - ii. Draft Program Outline by July 28, 2023.
 - iii. Risk Analysis/Prioritization complete by September 29, 2023.
 - iv. Scope for 2024 Program Development by October 27, 2023.
 - v. Technical Specification Document and The detailed inspection scope and procedure documents for 2024 inspection work by November 30, 2023.
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E. Statement of Qualifications and Evaluation

The statement of qualifications should be no longer than twelve (12) single-sided pages in length (not including cover page, cover letter and appendices). Please include the following:

- Qualifications and areas of expertise of the Firm and nominated Project Team. Please include CV/Resume of the key personnel of the Project Team, explain their role in the project, and provide an organizational chart demonstrating roles and lines of responsibility for the Project Team.
- Experience of Firm and nominated Project Team in previous relevant projects. Provide short descriptions of similar projects and assignments completed by both the Firm and nominated Project Team members. Provide project examples that demonstrate experience in Reliability Engineering and Asset Management as it relates to Wastewater Conveyance Systems that include nominated team members. Provide client references for two of the referenced projects. If the Firm has performed work with the RDN in the past, internal RDN references may be contacted at the RDN's discretion.
- A description of your Firm's:
 - Project management processes to assure quality and project control.
 - Relevant supporting resources that could be drawn on should additional expertise be required to address anticipated or potential challenges to this specific project.
 - List of relevant software intended to be used for this assignment.
- A statement of your Firm's ability to complete the work within the timeframe described substantiated with information demonstrating a well thought out commitment (e.g. schedule, discussion, notes, concerns, available resources, etc.).
- A statement of your Firm's approach to advancing equity and sustainability in corporate operations and service provision, including mention of official policies, achievements or standards met.
- A statement confirming that your Firm has a permit to practice professional engineering in BC issued by EGBC.

Statements of Qualifications (the "SOQ") will be initially evaluated by the Regional District of Nanaimo based on the above and assigned a qualitative score. Any or all SOQs will not necessarily be accepted.



F. Budget

The RDN's 2023 project budget is approximately \$80,000, excluding GST. Work through this phase will be used to determine budget allocation for future years.

G. Submission Date & Time

Statements of Qualifications should be received **BY EMAIL ONLY** on or before 3:00:00 p.m. local time on the 18 of May, 2023. The RDN reserves the right to accept late submissions.

H. Questions and Submissions

Questions are requested five (5) calendar days before the closing date.

Questions and submissions should be directed to:

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