

REQUEST FOR APPLICATIONS NO. PS20181461

PRE-QUALIFICATION OF PROFESSIONAL ENGINEERING SERVICES CONSULTANTS

AMENDMENT NO. 5

ISSUED ON APRIL 10, 2019

This Amendment No. 5 to RFA PS20181461 affects the separate file attachment to the RFA, "PS20181461 - Requirements", tab 3 - Hydrogeological and Environmental - Description of Work.

PS20181461 - Requirements, tab 3 - Hydrogeological and Environmental - Description of Work is amended as follows:

| Hydrogeological and Environmental - Description of Work | Estimated annual requirements | Check, if applicable |
|--|-------------------------------|--------------------------|
| *Review and understanding the applicable sections of the City of Vancouver Engineering Design Manual and Standard Detail Drawing documents is required prior to checking off any related requirements below. | | |
| Hydrogeological Investigations, Studies, Design and Analysis (slope stability analysis - including rock slopes (e.g. Stanley Park)) | | |
| A - Field Investigation & Monitoring (Includes but not limited to providing and coordinating traffic control, drill rig, utility clearance, permitting, in-situ testing, laboratory testing, factual report, installation of monitoring equipment etc.) | | <input type="checkbox"/> |
| B - Hydrogeological Analysis Studies - including but not limited to groundwater monitoring, seepage analysis and groundwater management plan | | <input type="checkbox"/> |
| C - Develop design criteria and hydrogeological policy | | <input type="checkbox"/> |
| D - Provide independent 3rd-party design review services | 10 | <input type="checkbox"/> |
| E - Complete groundwater well assessment, studies and/or designs | | <input type="checkbox"/> |
| F - Complete water license applications | | <input type="checkbox"/> |
| Environmental Investigations, Studies, Design and Analysis (slope stability analysis - including rock slopes (e.g. Stanley Park)) | | |
| G—Contaminated Sites Investigations (including but not limited to): INTENTIONALLY REMOVED (REFER TO AMD5) Evaluation and investigation related to contaminated sites that could include Stage 1 PSI/Phase I ESA, Stage 2 PSI/Phase II ESA, Detailed Site Investigation, Human Health and Ecological Risk Assessment, Remediation Planning, Site Remediation, storage tank removals, regulatory submissions. INTENTIONALLY REMOVED (REFER TO AMD5) | 10–15 | <input type="checkbox"/> |
| H - Environmental Assessment, Monitoring, Studies (including but not limited to): Assessment and analysis of potential impacts of projects on watercourses, ecological receptors and habitat. Construction monitoring of environmental aspects including erosion and sediment controls, water quality, potential ecological and habitat receptors. Environmental permitting (DFO, Port of Vancouver, and MFLNRO). | 10 - 15 | <input type="checkbox"/> |
| Review of environmental-related data to evaluate potential risks and costs for projects. ADDED REQUIREMENT (REFER TO AMD5) | | |
| I—Environmental Risk Evaluation (including but not limited to): INTENTIONALLY REMOVED (REFER TO AMD5) Review of environmental and contaminant related data to evaluate potential risks and costs for projects. INTENTIONALLY REMOVED (REFER TO AMD5) | 10–15 | <input type="checkbox"/> |
| J—Spill Response (including but not limited to): INTENTIONALLY REMOVED (REFER TO AMD5) Assess, monitor, and manage spill response activities including sampling and reporting requirements for environmental releases. INTENTIONALLY REMOVED (REFER TO AMD5) | as required | <input type="checkbox"/> |
| K - Policy and Planning (including but not limited to): Environmental research, policy review and development. | | <input type="checkbox"/> |
| Project Management Support Services (Per Category 11 Project Management) | | |
| L - Public and stakeholder engagement support | | <input type="checkbox"/> |
| M - Creation of Required Project Plans (including but not limited to): Project Execution Plans | | <input type="checkbox"/> |
| Project Communication Plans | | <input type="checkbox"/> |

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|--|--|--------------------------|
| Project Safety Plans | | <input type="checkbox"/> |
| Traffic Management Plan(s) that are consistent with the Ministry of Transportation's Traffic Control Manual. | | <input type="checkbox"/> |
| N - Construction Cost Estimates (Class D-A) | | <input type="checkbox"/> |
| O - Construction Schedule (Class D-A) | | <input type="checkbox"/> |
| P - Procurement Support (including but not limited to): | | |
| Develop tender evaluation criteria | | <input type="checkbox"/> |
| Prepare IFT drawings and ITT specifications | | |
| Prepare responses to RFIs and Addendums as required | | |
| Q - EoR Construction/Contract Administration Activities - includes but not limited to quality assurance audits, inspections, and other general EoR responsibilities. | | <input type="checkbox"/> |
| Other Services | | |
| R - Provide emergency response services, including but not limited to the above - during regular business hours and after hours | | <input type="checkbox"/> |
| S - Provide technical expert witness testimony to support City risk or legal claims. | | <input type="checkbox"/> |
| T - Prepare Environmental Approval Applications | | <input type="checkbox"/> |

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All other conditions and specifications remain unchanged.

This amendment must be completed, and attached to the Application form.

If the Application has already been submitted, this amendment shall be emailed to Bids@vancouver.ca prior to the Closing Time of 3PM Local Vancouver, BC Time, April 18, 2019 as "AMENDMENT NO. 5 to RFA PS20181461 PRE-QUALIFICATION OF PROFESSIONAL ENGINEERING SERVICES CONSULTANTS".

NAME OF VENDOR

SIGNATURE OF AUTHORISED SIGNATORY

DATE

Diana Chan, Contracting Specialist