

REQUEST FOR PROPOSALS "RFP" PS20190520  
SEWER OUTFALL INSPECTION PROGRAM

QUESTIONS AND ANSWERS NO. 1

ISSUED ON May 1, 2019

Q1	PART B, Section 1.3.4.3: Can you provide more clarity on expectations regarding multi-beam sonar?
A1	The expectation of the multi-beam sonar is to provide a complete external inspection and information set of <u>submerged outfall infrastructure</u> , including information of the waterbed, bed elevations, asset features, risers etc.
Q2	<p>PART B, Section 2.0 Owners List of Known Workplace Hazards:</p> <p>3 OTHER HAZARDOUS MATERIALS c): It is stated that a hazardous materials assessment is the contractor responsibility but the specific hazards are not listed? Can you provide further clarity?</p> <p>4 CONFINED SPACES: It is stated that the contractor shall be responsible for isolation and lockout but the City is not providing any hazard assessment and will not provide procedures for isolation. Can you provide further clarity regarding confined spaces?</p> <p>5 LOCK OUT a): Appears to contradict 4 c above. Can you provide further clarity?</p> <p>6 FALL PROTECTION: Can you advise which and or how many structures require fall protection?</p>
A2	<p>3. The list of hazardous materials to be considered are as seen in <u>title (3) of "OTHER HAZARDOUS MATERIALS"</u>, namely: "may include ammonia, pcb's, cfc's, moulds, mercury, ozone depleting substances (ods), radioactive substances, sewage, unknown contaminated materials". The contractor will be responsible for conducting and determining the hazardous materials assessment at the various outfall locations.</p> <p>4. Confined Spaces: The contractor shall be responsible for isolation and lockout procedures in the confined space. The hazard assessment should be completed by the contractor during the initial site assessment. The procedures for lockout and control of harmful substances shall be as seen in <u>WorkSafe BC Occupational Health and Safety Regulation Part 09 Confined Spaces</u>.</p> <p>5. This is not applicable for this contract as this refers to energized systems</p>

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	<p>(industrial equipment maintenance, power machinery repair services, pump maintenance/repair services etc.,)</p> <p>6. FALL PROTECTION: Outfalls that will require fall protection will be very minimal. Assume 5 outfalls will require fall protection. It will be the contractor's responsibility to adhere to WorkSafe BC guidelines regarding fall protection.</p>
Q3	<p>Part C Appendix 3 Pricing Table- Equipment Rates:</p> <ul style="list-style-type: none"> <li>• Can you provide background/intent with respect to Equipment rates per meter and per set up?</li> <li>• What is meant by surface vessel positioning?</li> </ul>
A3	<ul style="list-style-type: none"> <li>• The intent is to have a rate per meter for all equipment rates to allow the City and the contractor to be able to fully price any, and all outfall structures with varying lengths and inspection requirements. This pricing for the outfall will be conducted subsequent to the initial site assessment and review. Refer to an Amendment No 1. for revised Pricing Table.</li> <li>• Surface Vessel Positioning refers to a vessel with the capability to provide real-time differential global positioning information as described in section 1.3.10.</li> </ul>
Q4	<p>3 of the GIS Outfall locations provided appear to be land based, and not in any proximity to any logical marine discharge point. Please verify.</p> <ul style="list-style-type: none"> <li>o FJBSXS</li> <li>o FJC5OF</li> <li>o FJCBLD</li> </ul>
A4	<p>The reference ID's provided illustrates the farthest downstream spatial segment available in the City records. An evaluation of the true discharge points, locations and structure details are to be determined as part of the inspection process and documentation.</p> <ul style="list-style-type: none"> <li>• __FJBSXS: Storm sewer outlets into a ditch. A simple outlet structure inspection could be required. This can be determined at the initial site assessment</li> <li>• __FJC5OF: Outfall extends through Lacarno Beach Park and outlets to English Bay.</li> <li>• __FJCBLD: Outfall extends through Creekside Park and outlets to False Creek.</li> </ul>