

**REQUEST FOR PROPOSALS “RFP” NO. PS20191837
Manitoba Yards Geotechnical Design Services**

QUESTIONS AND ANSWERS NO. 4

ISSUED ON: April 1, 2020

Q1	Is the geotechnical assessment to include a Stage 2 PSI or will a separate consultant be undertaking that in a separate drilling investigation?
A1	<p>There is no consultant lined up for the Stage 2 PSI at this point. Proponents are to propose environmental testing that could be done in conjunction with the geotechnical investigation for best value to the City, with the results of those tests to be provided later to the Stage 2 Consultant. Proponents may provide a cost estimate to complete a Stage 2 PSI as a “Provisional Item” in the bids if they have the capacity to perform this work.</p> <p>Proponents should plan their drilling and well installation program to meet the primary need of the geotechnical investigation. If, however, they are drilling in the area of an identified Area of Potential Environmental Concern (APEC) from the Stage 1 place, they should consider whether it is viable to collect samples and provide laboratory analysis for identified Potential Contaminants of Concern (PCOC).</p>
Q2	Is the geotechnical assessment supposed to coordinate drilling locations for efficiency with a third-party Stage 2 PSI?
A2	<p>The drilling investigation should prioritize the locations needed to answer the core scope of the work, which is geotechnical in nature. However, the Consultant should consider what type of environmental testing could be included in that scope that would result in efficiencies for a third party Stage 2 PSI at a later date. As mentioned in Q1, proponents may provide a cost estimate to complete a Stage 2 PSI as a “Provisional Item” in the bids if they have the capacity to perform this work.</p> <p>Drilling locations need to serve the geotechnical needs, however, proponent should consider if minor adjustments in drilling location or depth may provide strategic environmental sampling locations without increasing drilling costs.</p>
Q3	Is the design supposed to look at all the sources of contamination that an earthquake could cause?
A3	<p>No, the environmental component of this scope of work is limited to the following two components:</p> <ol style="list-style-type: none"> Field investigation: Consultant to propose testing that could be done at the time of the geotechnical investigation that would provide best value and efficiencies

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	<p>for the City considering a Stage 2 PSI will need to be completed in the future.</p> <p>2. Design: Any geotechnical mitigation strategies proposed by Consultant should include a consideration of the environmental sustainability of these strategies that can help in ranking the strategies. If some of these strategies perform better considering currently known contamination (or contamination uncovered as a result of the drilling program), this should be included in the final evaluation of that strategy.</p> <p>However, the City will be looking for best value proposals and will consider added-value items that would minimize the need for further field investigations or re-evaluation of the solutions proposed by the Consultant in the future.</p>
Q4	Is the design supposed to mitigate environmental impacts from current contamination and potential earthquake-caused contamination?
A4	<p>The intent of the scope is to provide the City with various geotechnical solutions that would allow Manitoba Yards to be operational post-disaster. The evaluation of these options shouldn't ignore possible current or earth-quake caused contamination if these are known or reasonably predicted, but the evaluation of environmental impacts is not the primary intent of this scope.</p> <p>The strategy of collecting Phase 2 environmental data is only to provide a more robust understanding of existing contamination to inform future planning, not part of a current contaminated sites remediation strategy.</p>
Q5	Is the design supposed to protect relevant infrastructure to help prevent earthquake-caused releases?
A5	The design is supposed to protect infrastructure that would allow the facility to be operational post disaster. If the design does not adequately protect certain types of infrastructure, it should be noted what this infrastructure is and possible consequences of not protecting it from an operational perspective.
Q6	What is the nature and volume of construction waste that we're supposed to assess the environmental impact from?
A6	The construction waste that the Consultant should be considering is the waste that would result from the mitigation strategies the consultant proposes, with the intent that waste is minimized. The City is looking for a high level comparison, not a detailed assessment of construction waste volume.
Q7	What are the nature and volume of construction and demolition wastes that we're supposed to find environmentally uses for?
A7	As with Question 6, the City is looking for a high level assessment of how the various proposed strategies compare to one another in terms of environmental sustainability. Therefore, if certain strategies are able to be a) constructed with construction and demolition waste that is likely to be on site as a reasonable result of other construction activities or b) create construction waste that could then be re-used on other areas of site, those would be ranked higher in the environmental sustainability category.
Q8	With respect to section 4.2 of RFP No. PS20191837 for the Manitoba Works Yard lists the following as a task for the subsurface exploration:

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	<p>Environmental Investigation - Stage 1 PSI has been completed and the City is looking to find efficiencies with the subsurface investigation being completed as part of this scope to work towards a Stage 2 PSI.</p> <p>Can you please clarify whether it is intended that the successful proponent would complete the Stage 2 PSI themselves or whether they would liaise with a geoenvironmental consultant retained separately by the City? If the successful proponent is to complete the Stage 2 PSI, can the City provide the Stage 1 PSI report that would be needed to define the scope of this study?</p>
A8	<p>There is no consultant lined up for the Stage 2 PSI at this point. Proponents are to propose environmental testing that could be done in conjunction with the geotechnical investigation for best value to the City, with the results of those tests to be provided later to the Stage 2 Consultant. Proponents may provide a cost estimate to complete a Stage 2 PSI as a “Provisional Item” in the bids if they have the capacity to perform this work.</p> <p>Stage 1 PSI has been provided with this RFP.</p>

END OF Q&A No.4