

**REQUEST FOR PROPOSALS "RFP" NO. PS20181561
CONSULTANT FOR CAMBIE BRIDGE REHABILITATION**

QUESTIONS AND ANSWERS NO. 5

ISSUED ON DECEMBER 10, 2018

Q1	In regards to Section 2.4.1 Expansion Joint Replacement. Could you please expand on "environmental noise propagation" - is the City expecting computational mechanics modelling (finite boundary model)? Would the supplier of expansion joints not have the information necessary to address this without a noise propagation study?
A1	In selecting the appropriate expansion joint system, consideration should be given to the noise propagation of the expansion joint - whether it is through a noise propagation study or information readily available by the supplier of the expansion joint system.
Q2	With respect to item A4 of Questions and Answers No. 1, issued on November 21, 2018, please clarify what the City intends by "as a value add/provisional item," insofar as partnering with an external firm to perform an independent review is concerned. In this regard, we note that Section 3.2 Detailed Design Phase of the City's Request for Proposals states that "an Independent Review by a third-party qualified individual(s) is required."
A2	The Consultant shall include a value add/provisional (optional) item for an independent review done by a third-party. This review option may or may not be selected by the City.
Q3	A question of interpretation on the RFP. Section 2.2.7 requires a "life cycle assessment report" which includes capital costing, maintenance pros and cons, and feedback on the environmental impacts of end-of-life options. Life Cycle Assessment (LCA) typically refers to a detailed quantitative analysis of the environmental impacts throughout the entire life cycle of an asset, reported in standardized units, such as kg of CO2-equivalent; however, LCA does not include costs. Life Cycle Costs are typically provided in a Life Cycle Cost Analysis (LCCA). Can you please clarify whether this section means to require both a life cycle costing analysis (financial) as well as a life cycle assessment (environmental), or, if it is actually intended to require an LCCA that speaks to environmental impacts at a qualitative level?

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	Our assumption was the latter: that this is an LCCA that speaks to environmental impacts at a qualitative level.
A3	Your assumption is correct.
Q4	In the City provided Appendix 3 - Commercial proposal, the 50%, 90% and 100% Detailed Design Drawings and Specifications are not tabled, while it indicates that these packages are only required for the North Early Works, can you please clarify if these packages for the other packages shall be included in the Commercial Proposal?
A4	Detailed design is expected to be submitted for all phases, as part of section 7.0; and 50%, 90% and 100% design drawings and specifications are expected to be submitted for all phases. North Early Works is the only phase to include IFT & IFC drawings and specifications.