
2018 Overpass Testing and Inspection Program – Award of Engineering Services

Recommendation

That the Standing Policy Committee on Transportation recommend to City Council:

1. That the engineering services proposal submitted by ISL Engineering Ltd. for completion of the 2018 Overpass Testing and Inspection Program be approved, at a total estimated cost, on a lump sum basis, to an upset limit of \$82,133 (including taxes); and
2. That the City Solicitor be requested to prepare the appropriate agreement and that His Worship the Mayor and the City Clerk be authorized to execute the agreement under the Corporate Seal.

Topic and Purpose

This report is to obtain approval to award an engineering services agreement for testing and inspection activities on the overpass structures located throughout the City of Saskatoon (City), to ISL Engineering Ltd.

Report Highlights

1. Testing and structural inspection of the City's bridge and overpass inventory is conducted on a regular cycle.
2. This information is used to determine the economically optimum timing of major and minor rehabilitation work.
3. A Request for Proposal (RFP) for engineering services for the 2018 Overpass Testing and Inspection Program was issued March 5, 2018 on SaskTenders, closing March 20, 2018. Three proposals were received and the Administration is recommending that the engineering services agreement for the 2018 Testing and Inspection Program be awarded to ISL Engineering Ltd.

Strategic Goal

This report supports the Strategic Goal of Asset and Financial Sustainability as the project is a key component in the Administration's efforts to develop and optimize short and long-term preservation programs

Background

Major Projects & Preservation, Asset Management Section, conducts testing on each of the City's concrete bridge and overpass structures on a six-year cycle. This information is used to predict the future trend of condition versus time. In addition to annual safety and maintenance inspections by City personnel, each of the City's bridge and overpass structures are subject to a thorough structural inspection by a structural engineer on a three-year cycle. This information is used to determine the economically optimum timing of major and minor rehabilitation work.

The work group typically consists of a five-to-eight person team with specialized skills and an average experience of 10-to-15 years specifically testing, inspecting, and designing bridges.

The work is completed over a short time frame. The Administration has adopted an approach involving both internal staff and external experts to monitor the condition of the City's bridges and structures. Utilizing both ensures objectivity, and having external experts who observe bridge conditions in multiple jurisdictions improves the overall quality of the information, thus reducing risk.

In 2018, four structures are to be tested and 18 structures are to be inspected.

Report

An RFP was issued March 5, 2018 on SaskTenders for engineering services for the 2018 Overpass Testing and Inspection Program. The RFP closed on March 20, 2018 with three proposals received from the following proponents:

- ISL Engineering Ltd. (Saskatoon, SK)
- Stantec Consulting Ltd. (Regina, SK)
- WSP Canada Inc. (Saskatoon, SK)

The proposal evaluations were completed by three Major Projects & Preservation division staff members, with an additional member to facilitate the evaluation meeting. The proposal was evaluated based on the following criteria.

Qualification and Technical Evaluation Criteria	Maximum Available Points
1. Project Comprehension	5
2. Project Methodology and Technical Approach	25
3. Qualification of the Corporate and Project Team Experience	35
4. Project Schedule, Milestones and Controls	10
5. Overall Quality of the Proposal	5
6. Evaluation of Fee Proposal	20
TOTAL	100

Based on the comprehensive review, the proposal from ISL Engineering Ltd. was determined to be the highest scoring proposal, at a total estimated cost, on a lump sum basis, to an upset limit of \$82,133 (including taxes).

ISL Engineering Ltd. has performed similar work for the City and has experienced personnel in bridge inspection and testing to undertake a project of this scope and nature.

Options to the Recommendation

City Council could choose not to award the proposal. This is not recommended since the commission supports the City's Asset Management System for Bridges and Structures.

Communication Plan

Project information and traffic restrictions impacting drivers and residents will be communicated through multiple channels including the news media, social media, construction letters, service alerts and the City's website. If necessary, advertising in the City Pages may be used.

Financial Implications

The estimated net cost to the City for the engineering services as submitted by ISL Engineering Ltd. is as follows:

Base Fees	\$78,222.00
GST	<u>3,911.00</u>
Sub-Total	\$82,133.00
GST Rebate	<u>(3,911.00)</u>
Total Net Cost to the City	<u><u>\$78,222.00</u></u>

There is sufficient funding available within the 2018 Bridges, Subways, Overpasses Operating Budget to complete this work.

Environmental Implications

The activities relating to the overpass testing and inspection program are associated with consumption of resources (fuel use) and greenhouse gas emissions. The overall impact on greenhouse gas emissions is not known at this time.

Other Considerations/Implications

There are no public and/or stakeholder involvement, policy, privacy, or CPTED implications or considerations.

Due Date for Follow-up and/or Project Completion

The inspection and testing will be completed in 2018.

Public Notice

Public Notice pursuant to Section 3 of Policy No. C01-021, Public Notice Policy, is not required.

Report Approval

Written by: Todd Grabowski, Manager, Asset Preservation for Bridges
Reviewed by: Rob Frank, Acting Director of Asset Preservation
Approved by: Angela Gardiner, Acting General Manager, Transportation & Utilities Department