

AGENDA ITEM NO: 7.2

MEETING DATE: April 4, 2023

STAFF REPORT – COVER SHEET

SUBJECT: 2023 Chilliwack Pavement Quality Survey – RFP Award DATE: March 29, 2023

DEPARTMENT: Engineering PREPARED BY: D. Mossey

1. SUMMARY OF ISSUE:

The City of Chilliwack invited proposals from proponents to provide Engineering Services for the 2023 Chilliwack Pavement Quality Survey. Two (2) compliant proposals were received by the stipulated closing time.

A decision to accept a proposal for the 2023 Chilliwack Pavement Quality Survey is required.

2. RECOMMENDATION:

Recommendation that Council accept the proposal for the 2023 Chilliwack Pavement Quality Survey from the lead proponent, Stantec Consulting Ltd. in the amount of \$98,026.00 (plus applicable taxes); and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.


K. Jefford, Director of Engineering


3. FINANCE COMMENTS:

Funding is allocated within the 2023 Financial Plan for this project.


Glen Savard, Director of Finance

**4. CHIEF ADMINISTRATIVE OFFICER'S
RECOMMENDATION/COMMENTS:**

Supports recommendation.


Chris Crosman, CAO

STAFF REPORT ON

2023 Chilliwack Pavement Quality Survey – RFP Award

PREPARED BY:	K. MacIsaac	DATE:	March 29, 2023
POSITION:	Senior Engineer Technologist – Roads and Drainage	DEPARTMENT:	Engineering

1. DEFINITION OF ISSUE:

The City of Chilliwack invited proposals from proponents to provide Engineering Services for the 2023 Chilliwack Pavement Quality Survey. Two (2) compliant proposals were received by the stipulated closing time. The two (2) proponents were:

1. Tetra Tech Canada Inc.
2. Stantec Consulting Ltd.

A decision to accept a proposal for the 2023 Chilliwack Pavement Quality Survey is required.

2. BACKGROUND:

- 2.1 The City of Chilliwack requires consulting engineering services to provide detailed analysis and projections of the quality of the City's road infrastructure and recommendations on maintenance and rehabilitation works.
- 2.2 The scope of this project will include: data collection for the various aspects of pavement quality for the entire road network owned or maintained by the City; processing, analyzing and documenting the data; providing a report on the current status and future projections for road deterioration, as well as the maintenance and rehabilitation required.
- 2.3 The successful proponent will undertake all necessary site work, technical analysis, quality control, final submission of the resultant data and be responsible for providing maintenance and rehabilitation recommendations based on three budget models, including worst condition roadways, a cost benefit approach and a current funding approach.
- 2.4 The successful proponent's services will include as part of the 2023 Chilliwack Pavement Quality Survey:
 - i. Data collection and route maps with road dimensions
 - ii. Mobilization and demobilization within the City
 - iii. Traffic control operations and City permits
 - iv. Collection of road surface defects
 - v. Collection of International Roughness Index (IRI) and rut measurements
 - vi. Collection of digital imagery

- vii. Collection of structural strength data by ground penetrating radar
- viii. Analysis, processing and delivery of data
- ix. Submission of a complete report with the full present status analysis of the roads.

2.5 The anticipated schedule outlined in the Proposal call was as follows:

Issue RFP to Proponents	February 6 th , 2023
Last Day for Submission of Questions	February 22 nd , 2023 at 3:00 pm
RFP Closing Date	March 1 st , 2023
Substantial Completion	September 15 th , 2023

3. FACTORS:

3.1 Two (2) proponents submitted proposals:

- 1. Stantec Consulting Ltd.
- 2. Tetra Tech Canada Inc.

3.2 A three (3) member evaluation committee evaluated each document based on the following criteria:

- a. Project Manager's Statement (10%)
- b. Project Management Plan (20%)
- c. Engineering Quality Control Plan (25%)
- d. Cost Control (15%)
- e. Key/Critical Issues (20%)
- f. Financial (10%)

3.3 The results of the evaluation committee point ranking are as follows:

<i>Proponent Teams</i>	<i>Base Price</i>	<i>Technical Points /90</i>	<i>Price Points /10</i>	<i>Total Points /100</i>
Stantec Consulting Ltd.	\$98,026.00	79.3	10	89.3
Tetra Tech Canada Inc.	\$119,990.00	78.6	5.5	84.1

3.4 The evaluation committee ranked the RFP submittals based on their project management plans, highlighting of possible issues and their plan to overcome them, along with their quality control procedures and cost control.

3.5 After careful analysis of the submittals, the committee awarded higher technical points to Stantec; they also had a lower bid, which granted them more financial points and a higher total score. Both proponents were within budget and both proponents provided submissions that provide confidence in their expertise and ability to deliver good results. Based on the total points, Stantec Consulting Ltd. is deemed to be the lead proponent.

- 3.6 Substantial completion of the report submission is scheduled for September 15th, 2023. Both proponents had committed to meet this deadline.
- 3.7 Funding for the 2023 Chilliwack Pavement Quality Survey has been provided in the 2023 Financial Plan with funding coming from the City of Chilliwack. The estimated budget for this engineering work is in the order of \$120,000.

4. RECOMMENDATION & SUBSTANTIATION:

Recommendation:

Recommendation that Council accept the proposal for the 2023 Chilliwack Pavement Quality Survey from the lead proponent, Stantec Consulting Ltd., in the amount of \$98,026.00 (plus applicable taxes); and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.

Substantiation:

The 2023 Chilliwack Pavement Quality Survey will provide the City with the tools necessary to effectively plan, budget and manage our existing road network in a more efficient and data-driven manner. The future improvements will provide for enhanced safety and more efficient vehicular, cycling and pedestrian movements.