

AGENDA ITEM NO: 7.2.

MEETING DATE: June 21<sup>st</sup>, 2022

**STAFF REPORT – COVER SHEET**

SUBJECT: 2022-12 Instream Works Staff Report DATE: June 14<sup>th</sup>, 2022

DEPARTMENT: Engineering PREPARED BY: Kara Jefford

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**1. SUMMARY OF ISSUE:**

One (1) tender was received for the 2022-12 Instream Works Project. The work includes supply of labour, materials, and equipment to replace deteriorating twinned steel culverts in Stewart Creek crossing under Yarrow Central Road, with a large concrete box culvert.

A decision to award the Tender is required.

**2. RECOMMENDATION:**

Recommendation that Council award the Tender for the “2022 Instream Works Tender” to Timbro Contracting Ltd. in the amount of \$822,557.49 (plus applicable taxes); and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.

  
D.A. Blain, Director of Planning and Engineering

**3. FINANCE COMMENTS:**

Sufficient funding has been allocated within the approved 2022 Financial Plan.

  
Glen Savard, Director of Finance

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

Supports recommendation.

  
Peter Monteith, CAO

**STAFF REPORT ON  
2022 Instream Works Tender- AWARD**

PREPARED BY: Kristian Biela      DATE: June 9<sup>th</sup>, 2022

POSITION: Senior Engineering Technologist      DEPARTMENT: Engineering

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**1. DEFINITION OF ISSUE:**

One (1) tender was received for the 2022 Instream Works Project; following evaluation, the tender submission was found to be compliant. The work includes the supply of all labour, materials and equipment for the replacement of one box culvert crossing including mechanically stabilized earth (MSE) retaining headwalls. The City pre-purchased the custom box culvert due to manufacturing lead times.

Tenderer	Tender Price (excluding GST)
Timbro Contracting Ltd.	\$822,557.49

**2. FACTORS:**

- 2.1 Each year the City of Chilliwack releases a tender for culvert and storm drainage replacement work for various locations that have been identified within the condition inspection program or recent drainage studies to ensure aging, deteriorating, and underperforming infrastructure is replaced.
- 2.2 Culvert and storm drainage infrastructure replacement is based on condition and hydraulic assessments, as identified by inspections and recommendations from engineering consultants. The chosen locations are determined by least remaining service life or worst condition based on the inspections and recommendations.

Mandatory Works			
Location	Existing	Proposed Replacement	Bid Price
42751 Yarrow Central Rd.	2 x 1600mm CSP	3.0m x 1.52m Conc. Box Culvert	\$822,557.49

Provisional Works			
Location	Existing	Proposed Replacement	Bid Price
9395 Ford Rd	Rip Rap Headwall	MSE Sierra Slope Retaining Wall	\$409,046.28

- 2.3 The Yarrow Central Culvert crossing was selected for replacement due to poor or failing conditions, it is recommended to be replaced to prevent flooding, damage to property, and safety of the public.

- 2.4 Yarrow Central Rd is a critical connection for the Yarrow community, and potential failure of the culvert would lead to an extended road closure which would impact access and services to the community.
- 2.5 The culvert will be replaced during the Fisheries Instream works window from August 1st to September 15th. During this time, single lane alternating traffic will be maintained on Yarrow Central Road. No work will occur on weekends or on Fridays after 12 noon due to high seasonal traffic volumes.
- 2.6 The City has purchased the 3.0m x 1.52m concrete box culvert from Langley Concrete in order to expedite production timeline to ensure the project can proceed within the Fisheries Instream works window.
- 2.7 The 2022 Instream Works Tender included a provisional item to install a Mechanically Stabilized Earth Sierra Slope retaining wall on an existing culvert with a rip-rap headwall. The provisional item is not recommended for award as the City does not have sufficient funds to complete the installation in 2022.
- 2.8 The evaluation criteria are based on substantial compliance to the Tender requirements, the cost of the required work falling within the City's budget for the work, experience of the Tenderer and its personnel, past performance working with the City, work schedule, WCB clearance and Submission of Bid Security.
- 2.9 The bidder has submitted a compliant tender.
- 2.10 There are sufficient funds allocated within the Drainage Rehabilitation Budget to complete the mandatory work.

### 3. **RECOMMENDATION & SUBSTANTIATION:**

#### Recommendation:

It is recommended that Council award the tender for the 2022 instream works Tender to Timbro Contracting Ltd. in the amount of \$822,557.49 (plus applicable taxes) for the work; and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.

#### Substantiation:

Timbro Contracting has completed similar projects and has a long history working with the City. The City requires to replace the culvert for public safety, flood mitigation, conveyance, and aquatic habitat enhancement.