

NO: **R059** COUNCIL DATE: **April 8, 2013**

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **April 2, 2013**
FROM: **General Manager, Engineering** PROJECT FILE: **4812-001**
SUBJECT: **Award of Contract M.S. 4812-001-11**
Hyland Creek Culvert Replacement and Associated Works

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 4812-001-11 to Mainland Civil Works Inc. in the amount of \$2,398,294.95, including GST, for the replacement of the Hyland Creek culvert and associated works; and
2. Set the expenditure authorization limit for Contract M.S. 4812-001-11 at \$2,840,000.00 including a contingency and PST.

SCOPE OF WORK

The construction works associated with this contract include the replacement of the Hyland Creek culvert located in the 6500 block of 148 Street with a bridge structure, including storm sewer replacement, water main replacement, utility relocations and road grade improvements. The culvert replacement will provide increased storm water conveyance capacity, which will reduce the potential for flooding of the road and improve the fish habitat characteristics in Hyland Creek by improving the fish passage capabilities across 148 Street and will allow for the widening of 148 Street at the location of the crossing to the ultimate collector road standard. The location of the contract work is illustrated on the map attached as Appendix I.

The contract work is expected to start by July, 2013 and be completed by the end of November, 2013.

TENDER RESULTS

Tenders for the subject contract were opened on June 12, 2012, with the following results:

<i>Contractor</i>	<i>Tendered Amount with HST</i>	<i>Corrected Amount</i>
1. Mainland Civil Works Inc.	\$2,558,181.28	No Change
2. GCL Contracting & Engineering Inc.	\$3,582,048.96	No Change
3. B & B Contracting Ltd.	\$3,602,592.00	No Change
4. Tybo Contracting Ltd.	\$3,597,736.46	\$3,604,290.70
5. Double M Excavating Ltd.	\$4,453,564.63	\$4,449,176.87
6. B. Cusano Contracting (2007) Inc.	\$4,646,880.00	No Change
7. Mission Contracting Ltd.	\$5,036,868.08	No Change

The Engineer's pre-tender estimate was \$2,688,000 including HST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy and completeness. There were two arithmetic errors that had no bearing on the outcome of the tender process. All submissions included the required 10% bid bond, and were signed and sealed on the Tender Form and Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Mainland Civil Works Inc., provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within the time stipulated in the contract. However, Mainland Civil Works Inc. submitted an Alternative Proposal for the design and construction of a bridge crossing of Hyland Creek, in lieu of the tendered culvert crossing, for the same tender price. An assessment of the Alternative Proposal was completed and it was deemed to be beneficial to the City in that it will provide improved fish passage and fish habitat in Hyland Creek. Materials fabrication and delivery time did not allow the work to be performed during in-stream work window in 2012. Mainland Civil Works Inc. has agreed to extend their tender to 2013.

The recommended expenditure authority includes provision for 7% PST (\$84,000), an allowance of \$120,000 for potential additional dewatering costs and a 10% contingency given the uncertainties of work in and adjacent to Hyland Creek.

Mainland Civil Works Inc.'s past performance on similar work has been satisfactory. They have no outstanding legal claims against the City. It is recommended that Mainland Civil Works Inc. be awarded Contract M.S. 4812-001-11.

SUSTAINABILITY CONSIDERATIONS

The replacement of the Hyland Creek culvert with a bridge will enhance the quality of the fish habitat in Hyland Creek by increasing the overall wetted perimeter, by adding instream complexing and by creating new salmonid spawning habitat through the bridge opening with the placement of boulders infilled with river sand and spawning gravel. This, along with other habitat compensation and environmentally-sensitive design and construction, supports the objectives of the City's Sustainability Charter; more particularly scope action item EN12: *Enhancement and Protection of Natural Areas, Fish Habitat and Wildlife Habitat.*

FUNDING

Funding for this contract is available in the approved 2013 Budget.

Vincent Lalonde, P.Eng.
General Manager, Engineering

KZ/HL/brb

Appendix I – Map Illustrating the Location of the Work Associated with Contract M.S. 4812-001-11

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APPENDIX I AERIAL PHOTOGRAPH OF SITE



Produced by GIS Section: June 12, 2012; CS

Date of Aerial Photography: April 2011



**Contract MS 4812-001-11:
Hyland Creek Culvert Replacement
& Associated Works**

**ENGINEERING
DEPARTMENT**

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey. This information is provided for information and convenience purposes only. Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

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