

NO: R066

COUNCIL DATE: April 18, 2011

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **April 13, 2011**

FROM: **General Manager, Engineering** FILE: **1709-016/11**

SUBJECT: **Award of Contract - M.S. 1709-016-11**
Arterial Road and Bridge Construction Work at 168 Street at 48 Avenue and
Minor Drainage Works on 40 Avenue

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Award Contract M.S. 1709-016-11 for arterial road and bridge construction work at 168 Street at 48 Avenue and minor drainage works on 40 Avenue and 168 Street to B&B Contracting Ltd. in the amount of \$1,566,600.00 including HST; and
2. Set the expenditure authorization limit for Contract M.S. 1709-016-11 at \$1,644,930.00 including contingency and HST.

SCOPE OF WORK

The work included in this construction package includes transportation and drainage infrastructure works as listed in the following table and at the locations illustrated on the map attached as Appendix I.

| Map Reference Number | Project Type | Project Number | Project Description |
|----------------------|--------------|----------------|--|
| 1 | Roads | 1704-334 | Arterial Intersection Improvements on 168 Street and 48 Avenue (Nicomekl Bridge) |
| 2 | Roads | 1709-702 | Road Relocation on 48 Avenue: 16700 blk - 168 Street |
| 3 | Drainage | 4811-310 | Culvert Replacement at 40 Avenue and 160 Street |
| 4 | Drainage | 4811-311 | Culvert Replacement at 40 Avenue and 168 Street |

On 168 Street at 48 Avenue extensive road and bridge work is required to improve sightlines along 168 Street at and in the vicinity of the Nicomekl River. This work will also facilitate the relocation of 48 Avenue away from the Nicomekl River channel in that the existing roadbed also acts as a dyke along the River. Upon relocation of 48 Avenue, the existing roadbed will be raised under a separate contract and continue to act as the dyke along the River.

To accommodate the bridge and road construction works on 168 Street at the Nicomekl River, FortisBC will be replacing approximately 380 metres of intermediate pressure gas pipeline. It is anticipated that the work on the contract will commence in June 2011 and be completed in October 2011, subject to FortisBC completing the pipeline relocation work in a timely manner.

TENDER RESULTS

Tenders for the subject contract were opened on April 12, 2011, with the following results:

| <i>Contractor</i> | <i>Tendered Amount with HST</i> | <i>Corrected Amount</i> |
|--------------------------------------|-------------------------------------|-----------------------------|
| 1. B&B Contracting Ltd. | \$1,566,600.00 | No Change |
| 2. GCL Contracting & Excavating Ltd. | \$1,702,734.88 | No Change |
| 3. Tybo Contracting Ltd. | \$1,956,290.11 | \$1,961,890.11 |
| 4. Tyam Civil Constructors Ltd. | \$2,209,333.28 | No Change |

The Engineer's pre-tender estimate was \$1,367,609.60 including HST. Since this project involves in-stream works, only contractors that are pre-qualified for in-stream works were invited to submit tenders. Council has previously approved the list of pre-qualified contractors. Due to the variety of in-stream work that is required, the project has been classified as a "Tier 1" project.

EVALUATION

The City's consultant reviewed the tenders for accuracy and completeness. No errors were found. 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, B&B Contracting Ltd.'s tendered amount exceeded the Engineer's pre-tender estimate by approximately 15%. The variation in cost was largely due to costs associated with rehabilitating the existing timber bridge. Limited pricing information was available for the pre-tender estimate for this component of work. In light of price uncertainty of the specialized work and good agreement between tendered and estimated costs on the remaining items, overall the tendered price represents good value.

B&B Contracting Ltd. has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond and has agreed to complete the work within 80 working days as stipulated in the contract. B&B Contracting Ltd.'s past performance on other City projects has been satisfactory. They have no outstanding legal claims against the City.

It is recommended that B&B Contracting Ltd. be awarded Contract M.S. 1709-016-11.

SUSTAINABILITY CHARTER/CONSIDERATIONS

The works associated with this contract will establish new and preserve existing fish habitat. The works will also enhance the safety and capacity of 168 Street for the transportation of traffic. As such, the project will support the following scope action items of the City's Sustainability Charter:

- EN13: Enhance the Public Realm;
- EN12: Enhance and Protect Natural Areas, Fish Habitat and Wildlife Habitat; and
- EC16: Increase Transit and Transportation to Support a Sustainable Economy.

FUNDING

Funding for this contract is available in the approved 2011 Engineering budget.

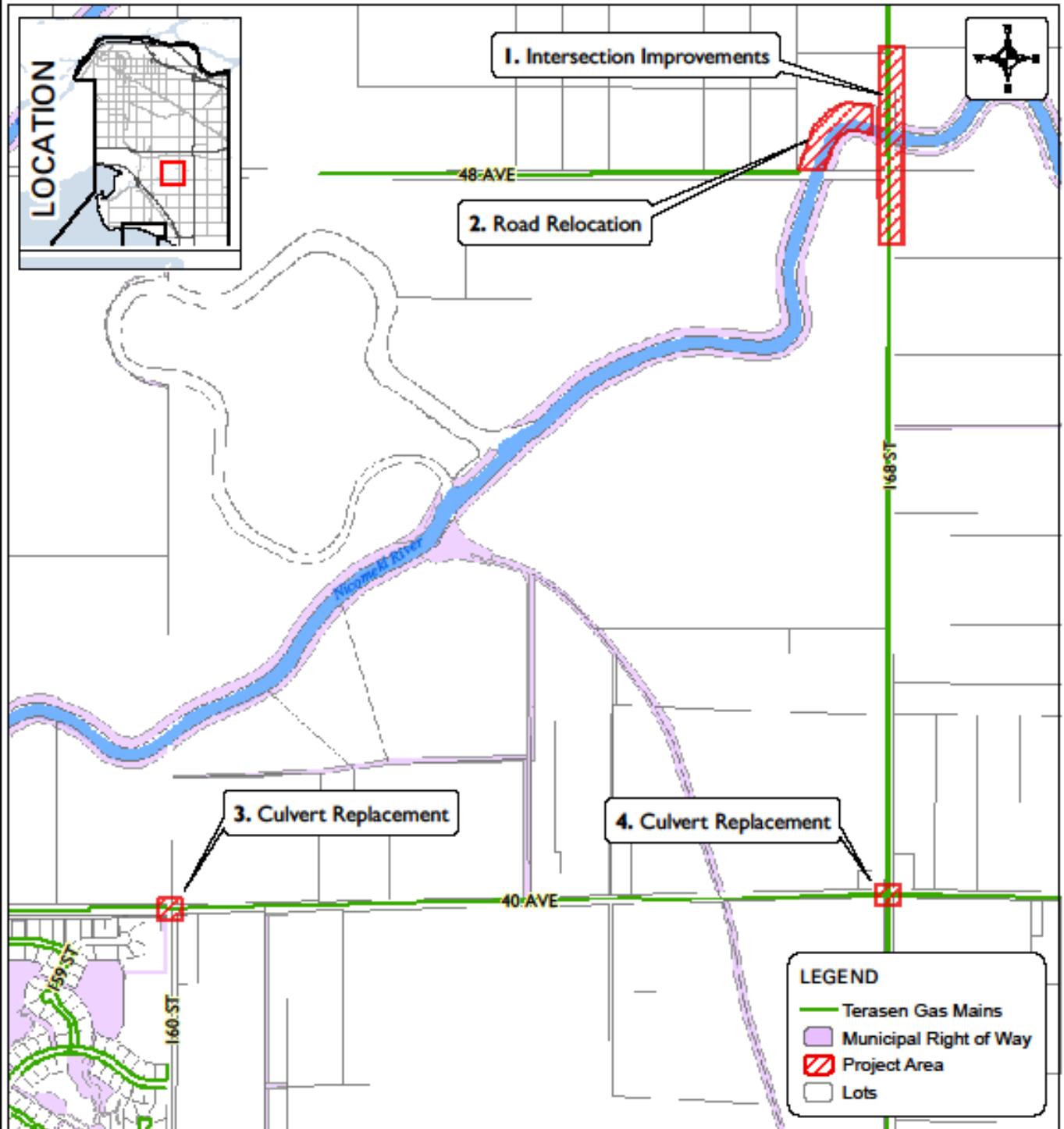
Vincent Lalonde, P.Eng.
General Manager, Engineering

MO/brb

Appendix I - Map of 2011 168 Street and 48 Avenue and Minor Drainage Work under
Contract M.S. 1709-016-11

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APPENDIX I



Produced by GIS Section: March 29, AW



MS 1709-016-11 168 ST AND 48 AVE AND MINOR DRAINAGE 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.

GISMapping\GISMap\p
Corporate\reports\Eng-Utilities\p
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