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| TO: | CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 23, 2012 |
| FROM: | JOHN BRAAM, P. Eng. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER |
| SUBJECT: | CONTRACT AWARD: TENDER NO. T12-10 2012 INFRASTRUCTURE LIFECYCLE RENEWAL PROGRAM CONTRACT#1: MAITLAND STREET NORTH RECONSTRUCTION |

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| RECOMMENDATION |
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That, on the recommendation of the Acting Executive Director, Planning, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2012 Lifecycle Renewal Program, Contract #1: Maitland Street North Reconstruction Project (ES2464-12, EW3765-11).

- (a) the bid submitted by 291 Construction Ltd. ('291') 2675 Elgin Road, Dorchester ON, N0L 1E6, at its corrected tendered price of \$2,188,501.66 (excluding H.S.T.), for the 2012 Infrastructure Lifecycle Renewal Program, Contract #1 project, **BE ACCEPTED**; it being pointed out that the bid submitted by 291 Construction was the lowest of nine (9) bids received and meets the City's specifications and requirements in all areas;
- (b) Development Engineering (London) Ltd (DELL), #71 – 41 Adelaide Street N., London, Ontario, N6B 3P4, **BE AUTHORIZED** to carry out the resident inspection and contract administration for the said project in accordance with the estimate, on file, at an upset amount of \$136,684.35 (excluding H.S.T.), noting that this firm completed the engineering design, based upon the Fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers; and in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- (c) minor future additional annual operating costs of \$100.00 **BE RECOGNIZED** as a result of this project noting that these costs are as a result of new infrastructure installation and will be considered and accommodated within future Wastewater & Treatment operating budgets;
- (d) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (e) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (f) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the material to be supplied and the work to be done relating to this project (Tender 12-10); and
- (g) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

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| PREVIOUS REPORTS PERTINENT TO THIS MATTER |
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- [ETC Report of 2010-05-10, Agenda Item #1: Appointment of Consulting Engineers Infrastructure Lifecycle Renewal Program 2011, Contract 1 \(Maitland\).](#)

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BACKGROUND

Purpose:

This report recommends award of tender to a contractor and continuation of consulting services for the reconstruction of:

Maitland Street from Oxford Street to Cheapside Street

This work includes installation of new storm sewers, replacement of existing sanitary sewers, watermain and lead water service replacement, construction of new sidewalks, curb and gutter, asphalt road, and introduction of a raised intersection at Cheapside and Maitland.

Infrastructure replacement needs have been coordinated with Wastewater and Drainage Engineering (WADE), Water Engineering, Transportation Planning and Design, and Construction Administration for efficient use of funds during construction.

Discussion:

The reconstruction of Maitland Street is included in approved Wastewater & Treatment and Water Capital Works Budgets. This street has been identified as a high priority in the replacement programs due to the poor condition of the municipal infrastructure and deficiencies in the existing storm system servicing the immediate and greater areas. The sanitary sewer, private drain connections and watermains on these streets were originally installed between late 1880's to late 1910s. The sewers and water mains in these locations have reached the end of their life expectancy noting there have been some isolated repairs to the sewer system over the last 30 years. Enhanced improvements and additional new storm sewers will provide increased surface flooding protection to the neighborhood, noting surface flooding can be a contributing factor to basement flooding.

The construction program also includes replacement of lead water services, replacement of private drain connections (pdc's), replacement of curb and gutter, and sidewalks where required, and full asphalt road replacement for the full limits of construction.

This project also effectively removes some minor portions of combined sewers in the general area. Removing storm water from the sanitary sewer reduces costs to the City to treat storm water at the Pollution Control Plants. Removing these extraneous flows also will result in fewer combined sewer overflows at the plants providing direct environmental benefits.

The new major trunk storm system has been design in accordance with the Carling Creek North Area Branch Plan. This plan has been updated to today's standards and implementation of this storm sewer on Maitland is the first critical step in allowing future adjacent streets to be constructed in the Old North Area noting they will now have a proper outlet to drain to. This also allows for effective and efficient coordination of infrastructure replacement works in a responsible and timely order for the general area.

Traffic calming measures within the limits of this project are being reviewed and could be incorporated into later stages of this project prior to final restoration noting property owners must first convey this message to the City with a show of support from the majority of owners. Notwithstanding this, as part of this contract, work will include a raised intersection at the intersection of Maitland and Cheapside to improve safety and reduce the number of collisions, all as recommended by Transportation Engineering and Design Engineering.

A public information session was held in February 2012 specifically for all owners and residents within and immediately bordering the project area to address questions and concerns.

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A Project Location map is included below for reference.



In conjunction with the construction of this Capital Works Project, the City is administering the pdc program which allows property owners within the projects limits, an opportunity to voluntarily replace their pdc's at a subsidized cost under the authority of City By-laws. Similarly the Lead Replacement Program is also covered by City By-laws. As part of this project, the water service connection will be replaced to property line at the City's cost and the property owner may elect to replace their private side connection at their cost. Homeowners may be eligible to participate in the Lead Service Extension Replacement Loan Program.

Tender Summary:

Tenders for the 2012 Infrastructure Lifecycle Renewal Program, Contract #1 Project were opened on March 15, 2012. Nine (9) contractors submitted tender prices as listed below (exclusive of H.S.T.).

| | CONTRACTOR | TENDER PRICE SUBMITTED | CORRECTED TENDER PRICE |
|----|--------------------------|------------------------|------------------------|
| 1. | 291 Construction | \$2,188,501.61 | \$2,188,501.66 |
| 2. | Tri-Con Excavating | \$2,343,982.30 | - |
| 3. | Aar-Con Excavating | \$2,374,778.76 | \$2,374,768.92 |
| 4. | Blue-Con Construction | \$2,386,067.83 | - |
| 5. | Elgin Construction | \$2,400,935.83 | \$2,400,370.01 |
| 6. | C.H. Excavating | \$2,449,926.69 | \$2,450,484.69 |
| 7. | J-AAR Excavating Limited | \$2,515,973.15 | \$2,515,977.49 |
| 8. | Omega Contractors | \$2,550,958.82 | \$2,550,948.98 |
| 9. | L-82 Construction | \$2,677,171.63 | \$2,677,160.83 |

All tenders have been checked by the City and the City's consultant DELL. Seven (7) of the tender bids contained mathematical errors. The corrected amounts had no affect on the ranking of the three lowest tenders.

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The tender estimate just prior to tender opening was \$2,818,000.00 (excluding H.S.T.). The low tender is about 20% below the estimate indicating a very competitive environment and illustrates the benefit of tendering projects early in the construction season. All tenders include a contingency allowance of \$250,000.00 (excluding H.S.T.).

Minor future additional annual operating costs of \$100.00 are recognized as a result of this project noting that these costs are attributed to new infrastructure installation and will be considered and accommodated within future Wastewater & Treatment operating budgets.

Consulting Services:

DELL was awarded the detailed design by Council on May 17, 2010. Do to their knowledge and experience with this project, DELL was requested to submit a proposal to carry out the contract administration and resident supervision for this project. In accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, the administration is recommending that DELL be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$136,684.35 (excluding H.S.T.), noting the upset amount for total engineering services for the project is \$295,271.35 (excluding H.S.T.) spread over 2010 and 2012.

Conclusions:

Award of the construction contract to '291' will allow the project objectives to be met within the available budget.

The use of DELL for the remainder of engineering services for this project is in the best financial and technical interests of the City.

Acknowledgements:

This report was prepared within the Wastewater and Drainage Engineering Division by Ugo DeCandido, Environmental Services Engineer, and Steve Mansell, Senior Technologist.

| SUBMITTED BY: | RECOMMENDED BY: |
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| TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING | JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER |

April 24, 2012

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Attach: Appendix "A" – Sources of Financing

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c.c. 291 Construction Ltd.
Development Engineering Ltd.
Roland Welker
Justin Lawrence
John Lucas
Mary Goss