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| TO: | CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 24, 2014 |
| FROM: | JOHN BRAAM, P. Eng. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER |
| SUBJECT: | CONTRACT AWARD: TENDER NO. 14-01 2014 INFRASTRUCTURE LIFECYCLE RENEWAL PROGRAM CONTRACT 8: TRAFALGAR STREET RECONSTRUCTION |

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| RECOMMENDATION |
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That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to the award of contracts for the 2014 Infrastructure Lifecycle Renewal Program, Contract 8: Trafalgar Street Reconstruction Project:

- (a) the bid submitted by L82 Construction Ltd. (L82), 2070 Huron Street Suite A London, ON, N5V 5A7, at its tendered price of \$3,167,073.34, excluding HST, for the 2014 Infrastructure Lifecycle Renewal Program, Contract 8 project, **BE ACCEPTED**; it being noted that the bid submitted by L82, was the lowest of eight bids received and meets the City's specifications and requirements in all areas;
- (b) Archibald, Gray, McKay Consulting Engineers (AGM), 3514 White Oak Road London ON, N6E 2Z9, **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 \$285,879.00, including contingency and excluding HST, 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, noting that this firm completed the engineering design for this project;
- (c) minor future additional annual operating costs of \$800.00 **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 14-01); 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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Appointment of Consulting Engineers, Infrastructure Lifecycle Renewal Program 2013-2014, (Contract B), Civic Works Committee, May 29, 2012, Agenda Item # 7.

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| BACKGROUND |
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Purpose:

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

Trafalgar Street from Ash Street to Highbury Avenue

Trafalgar Street has been identified as part of the phasing under the Burbrook Lateral Storm Sewer Separation Program. 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, and asphalt road.

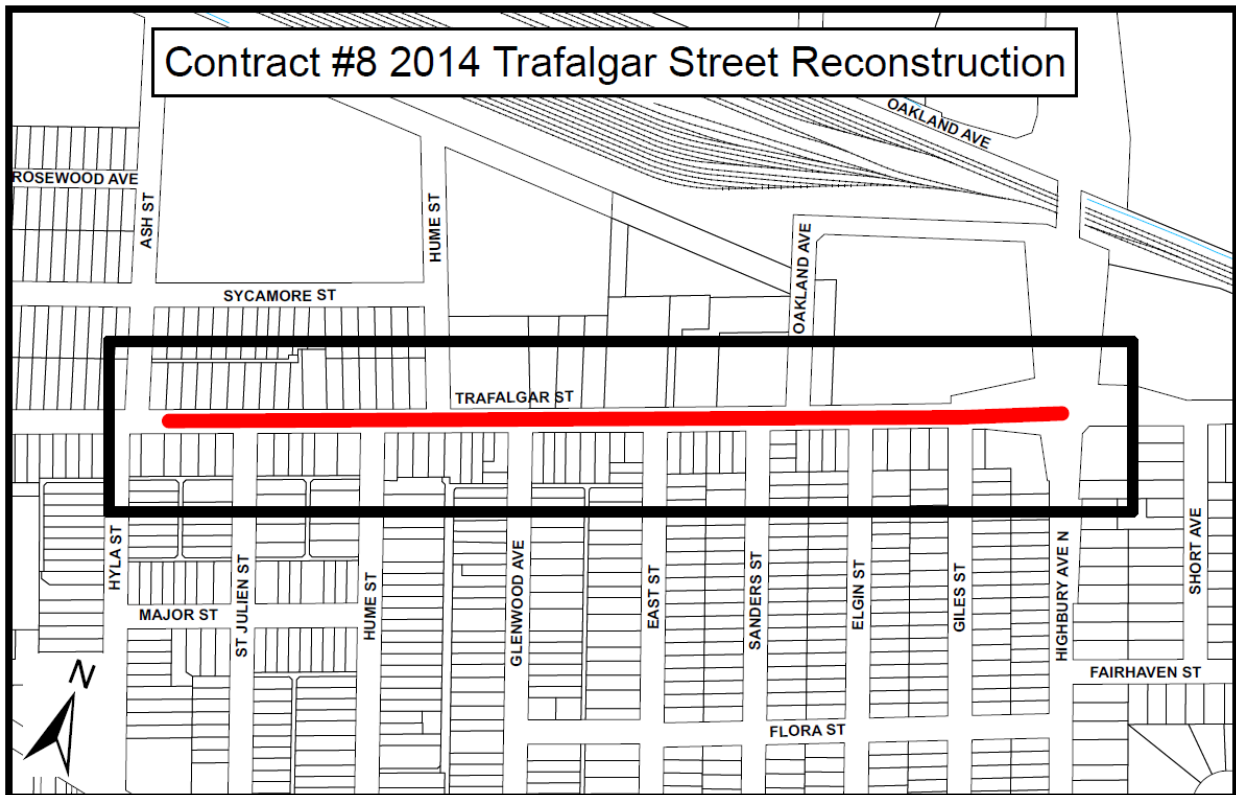
Infrastructure replacement needs have been coordinated with Wastewater & Drainage Engineering (WADE), Water Engineering, and Transportation Planning & Design for efficient use of funds during construction.

Discussion:

The design of the Trafalgar Street project was included in the approved 2012 Wastewater & Treatment and Water Capital Works Budgets. The project schedule facilitated a two year design period with construction planned for the 2014 construction season. This construction was included in the approved 2014 Wastewater & Treatment and Water Capital Works Budgets.

Trafalgar Street has been identified as a high priority in the replacement programs due to the poor condition of the municipal infrastructure and the need for sewer separation. The sanitary sewer, private drain connections and cast iron watermains on these streets were originally installed in the late 1940's. The sewers and watermain in this location have reached the end of their life expectancy.

A Project Location map is included for reference.



The work has been designed to suit the previously constructed Hale/Trafalgar CNR Grade Separation Project and will provide the collection system for the Burbrook Trunk Sewer that is currently built from the Thames River to Pine Street and scheduled to be completed up to Dundas Street. There are currently no storm sewers within the project limits. Introducing 800 meters of new storm sewers will provide increased surface flooding protection to the neighborhood.

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This project effectively removes existing combined sewers within the limits of this project. Removing storm water from the sanitary sewer reduces the risk of basement flooding as it lowers the risk of sewer overloading. It also provides the added benefit of reduced treatment costs to the City at the Wastewater Treatment Plants. Removing these extraneous flows also will result in fewer combined sewer overflows providing direct environmental benefits such as the water quality and aquatic habitat of the Thames River. In the long term, when all of the projects recommended by the Burbrook Lateral Program are completed, significant storm flow volume will be removed from the sanitary system annually.

The construction program also includes replacement of lead water services within the City's right-of-way, replacement of private drain connections where requested, replacement of curb and gutter, new sidewalks and full asphalt road replacement for the full limits of construction.

A public information session was held on December 6, 2013 specifically for all owners and residents within and immediately bordering the project area to address questions and concerns.

The project has been divided into 6 stages of reconstruction to ensure reduced disruption to existing business access and operations over duration of project. The contractor is required to coordinate timing of infrastructure work with operations at 1226 Trafalgar Street (Sofina Foods Inc) as no service disruption is permitted during the week.

In conjunction with the construction of this Capital Works Project, the City is administering the Private Drain Connection (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. As part of this project, the water service connection will be replaced to the 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 2014 Infrastructure Lifecycle Renewal Program, Contract #8 Project were opened on January 30, 2014, Eight (8) contractors' submitted tender prices as listed below, excluding HST.

| | CONTRACTOR | TENDER PRICE SUBMITTED | CORRECTED TENDER PRICE |
|----|-----------------------------|-------------------------------|-------------------------------|
| 1. | L82 Construction Ltd. | \$3,167,073.34 | |
| 2. | Tri-Con Excavating Inc. | \$3,361,040.43 | |
| 3. | Omega Contractors Inc. | \$3,490,129.34 | |
| 4. | FCF Group of Companies Ltd. | \$3,541,356.53 | |
| 5. | Bre-Ex Construction Ltd. | \$3,587,013.03 | \$3,578,831.03 |
| 6. | Blue-Con Construction | \$3,757,272.70 | |
| 7. | 291 Construction Ltd. | \$3,966,632.61 | |
| 8. | Elgin Construction Ltd. | \$4,029,019.84 | |

All tenders have been checked by the Environmental and Engineering Services Department and the City's consultant, AGM. One of the submitted tenders was found to contain minor mathematical errors; however the order of the bidders remains.

The tender estimate just prior to tender opening was \$ \$3,531,000.00, excluding HST. The low tender is 10% below the estimate indicating a 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 HST.

Minor future additional annual operating costs of \$800.00 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.

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Consulting Services:

AGM was awarded the detailed design by Council on May 29, 2012. Due to their knowledge and experience with this project, AGM 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 AGM be authorized to carry out the remainder of engineering services to complete this project for the provided fee estimate of \$285,879.00, excluding HST, noting the upset amount for total engineering services for the project is \$547,101.50, excluding HST, spread over 2012 – 2014.

Conclusions:

Award of the 2014 Infrastructure Lifecycle Renewal Program, Contract #8 to L82 Construction Ltd. will allow the project objectives to be met within the available budget.

The use of Archibald, Gray, Mckay Consulting Engineers, 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, P.Eng., Environmental Service Engineer and reviewed by Tom Copeland, P.Eng., Division Manager, Wastewater and Drainage Engineering.

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| SUBMITTED BY: | RECOMMENDED BY: |
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| TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING | JOHN LUCAS, P. ENG. DIRECTOR, WATER AND WASTEWATER |
| CONCURRED BY: | |
| | |
| JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER | |

March 19, 2014

UD/sm

Attach: Appendix "A" – Sources of Financing

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c.c. Tom Copeland
John Simon
Doug MacRae

Roland Welker
Rick Pedlow
L82 Construction Ltd

Pat Shack
Justin Lawrence
AGM