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| TO: | CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JUNE 17, 2013 |
| FROM: | JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER |
| SUBJECT: | CONTRACT AWARD: TENDER NO. T13-33 SARNIA ROAD IMPROVEMENTS PHASE 2 – ROAD WIDENING FROM WONDERLAND ROAD NORTH TO ALDERSBROOK ROAD |

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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 awarding the Sarnia Road Improvements from Wonderland Road North to Aldersbrook Road (TS1349-2):

- (a) the bid submitted by Bre-Ex Limited, 247 Exeter Road, London, N6L1A5, at its submitted tendered price of \$2,451,198.87 (excluding HST) for the 2013 Sarnia Road Improvements Contract **BE ACCEPTED**, it being noted that the bid submitted by Bre-Ex Limited was the lowest of six (6) bids received and meets the City's specifications and requirements in all areas;
- (b) Dillon Consulting Limited, 130 Dufferin Avenue, Suite 1400, London, Ontario, N6A 5R2, **BE APPOINTED** Consulting Engineers for the contract administration and resident supervision of the said project in the amount of \$241,532.50 (excluding HST), in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy and based upon the fee Guideline for Professional Engineering Services, recommended by the Ontario Society of Professional Engineers;
- (c) future additional annual operating costs of \$12,700.00 **BE APPROVED** as a first priority commitment from available assessment growth in 2014 subject to final budget approval;
- (d) the financing for this project **BE APPROVED** as set out in the Source 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 13-33); 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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- Environment and Transportation Committee – November 10, 2008 – Appointment of Consulting Engineer
- Environment and Transportation Committee – January 11, 2010 – Environmental Assessment
- Environment and Transportation Committee – May 10, 2010 – Design Award
- Built and Natural Environment Committee – March 7, 2011 – Sarnia Road Improvements Phase 1 – CPR Grade Separation

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| BACKGROUND |
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Purpose:

This report provides an evaluation of bids received and provides recommendations on the award of a construction contract and continuation of engineering consulting services for the widening of Sarnia Road from Wonderland Road North to Aldersbrook Road from 2 lanes to 4 lanes plus auxillary lanes. The widening will enhance the role and function of Sarnia Road as a major arterial road, improve traffic capacity and increase the overall level of safety.

Context:

Sarnia Road between Hyde Park Road and Wonderland Road North is classified as an arterial road and is currently comprised of two through lanes. The 2004 and recent Smart Moves Transportation Master Plans identify capacity improvements for the corridor. The project is also identified in the 2009 Development Charges Background Study and the City's Growth Management Implementation Strategy.

The Environmental Assessment (EA) was completed in January 2010 and provided a recommendation for a phased widening of Sarnia Road to four-lanes. The first phase of improvements, reconstruction of the CPR grade separation and associated road approaches has been constructed. The current tender represents Phase 2 of the project, widening Sarnia Road from 2 lanes to 4 lanes from Wonderland Road North to Aldersbrook Road. The recently constructed CPR grade separation was designed to accommodate the phased road widening and this contract will apply new pavement markings to designate four lanes beyond the current construction limits across the grade separation bridge.

Phase 3 of the Sarnia Road Improvements from Oakcrossing Gate westerly to Hyde Park Road is scheduled in the City's Growth Management Implementation Strategy for construction in 2016.

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| DISCUSSION |
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Contract Design and Preparation:

The recommended improvements for this corridor include:

- Widening of the existing roadway to four lanes, with a centre median, and turning lanes;
- Installation of new traffic signals at the Aldersbrook Road intersection;
- Installation of bicycle lanes as recommended by London's Bicycle Master Plan;
- Installation of sidewalk on both sides of the road in ultimate location;
- Construction of stormwater management quantity and quality control measures;
- Reinstatement of the intersection pedestrian signal at Thistledown Way;
- Installation of roadway illumination; and,
- Construction of a refuge island at the crossing guard location.

Tree plantings will be carried out under a subsequent landscaping contract.

Utility Relocations:

The road widening necessitated numerous utility relocations involving London Hydro, Union Gas, Bell Canada and Rogers. Utility relocations are underway at this site and are to be complete by the construction start date. These were undertaken separately and partially funded by the City as necessary based on standard utility cost-sharing agreements.

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Traffic Staging:

Construction is anticipated to begin in July and be substantially completed in November 2013. The surface course paving and some surface restoration will carry over into 2014. The start date will be coordinated to minimize the cumulative traffic impacts of 2013 arterial road construction projects. In particular, the start of the project will be coordinated with the traffic staging underway on the Oxford Street Widening contract.

The contract has been structured to minimize interruption as much as possible and two way traffic will be maintained during construction. Access to homes and businesses along the construction corridor will be maintained. The construction will not extend into the Wonderland Road intersection and will not disrupt traffic on Wonderland Road.

Tender Summary:

Tenders for the Sarnia Road Improvements Phase 2 project were opened on May 8th, 2013. Six (6) contractors submitted tender prices as listed below (exclusive of H.S.T.):

| CONTRACTOR | | TENDER PRICE SUBMITTED (\$) | CORRECTED TENDER PRICE (\$) |
|------------|-------------------------------|-----------------------------|-----------------------------|
| 1. | Bre-Ex Limited | 2,438,878.88 | 2,451,198.87 |
| 2. | Dufferin Construction Company | 2,580,182.25 | |
| 3. | AAR-Con Excavating | 2,617,992.30 | 2,623,128.89 |
| 4. | United Contracting | 2,631,125.30 | 2,631,181.30 |
| 5. | Birnam Excavating Ltd. | 2,648,219.62 | 2,654,000.73 |
| 6. | Coco Paving Inc. | 2,789,000.01 | 2,788,999.98 |

All tenders have been checked by the Engineering Services Department, and Dillon Consulting Ltd. Five (5) of the tender bids contained mathematical errors as noted above, which when corrected did not alter the bid ranking.

The tender estimate prior to tender opening was \$2,866,837.50 (excluding HST). The low tender is 15% below the internal estimate indicating a very competitive environment and illustrates the benefit of strategically staging City tenders.

The tender amount is within the available funds in the City's Transportation budget. All tenders include a contingency allowance of \$250,000.00 (excluding HST).

Consulting Services:

After a competitive process which considered three consulting teams, the City retained Dillon Consulting Limited in the fall of 2008 to conduct the environmental assessment for the project. Council adopted the Environmental Study Report in January, 2010. Dillon Consulting Limited has subsequently completed the detailed design and contract administration for Phase 1 of the Sarnia Road Improvements project. Dillon has completed the design for Phase 2 and continue to coordinate utility relocations. Given their knowledge and experience on the project, Dillon was requested to submit a proposal to carry out the contract administration and resident supervision for Phase 2.

In accordance with Section 15.2(g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Dillon Consulting Limited be authorized to carry out the remainder of engineering services to complete this phase of the project for a fee estimate of \$241,532.50 (excluding H.S.T.). The continued use of Dillon Consulting Ltd. on this project is of financial advantage to the City due to the fact that the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

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| CONCLUSION |
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Dillon Consulting Limited and Civic Administration have reviewed the tender bids and recommend that Bre-Ex Limited be awarded the contract for the Phase 2 Sarnia Road Improvements in the amount of \$2,451,198.87 (excluding HST). Award of this contract will allow the project objectives to be met within the available budget and schedule.

Dillon Consulting Limited has demonstrated an understanding of the City requirements for this project and has complete knowledge of the project. The continued involvement of Dillon Consulting is in the best financial and technical interests of the City. It is recommended that this firm continue as the consulting engineer for the purpose of contract administration for a fee estimate of \$241,532.50 (excluding H.S.T.)

Anticipated additional annual operating costs to the Environmental and Engineering Services budget in 2014 and subsequent years associated with the additional road infrastructure is \$6,300.

Every effort is being made to ensure Londoners are aware of construction zones and traffic detours resulting from this road work. Daily updates are provided through the City's website, www.london.ca/construction with information about road closures, ongoing and upcoming projects on city streets.

Acknowledgements:

This report was prepared with assistance from Joshua Ackworth C.E.T., Technologist II in the Transportation Planning and Design Division.

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| PREPARED BY: | REVIEWED & CONCURRED BY: |
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| DOUG MACRAE, P. ENG. DIVISION MANAGER TRANSPORTATION PLANNING & DESIGN | EDWARD SOLDI, P. ENG. DIRECTOR, ROADS AND TRANSPORTATION |
| RECOMMENDED BY: | |
| | |
| JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER | |

c: Pat Shack
Marta Semeniuk
Dillon Consulting Limited
Bre-Ex Limited

Attachments: Appendix 'A' – Source of Financing
Appendix 'B' – Project Map

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Appendix 'B' Project Map

