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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 8, 2013
FROM:	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. T13-32 2013 GROWTH MANAGEMENT IMPLEMENTATION STRATEGY (GMIS) SOUTHDALE ROAD WEST WIDENING

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer, the following actions **BE TAKEN** with respect to awarding the contract for the Southdale Road West Widening from Wonderland Road to Wharncliffe Road (TS1486, TS1254-12, ES2467, EW3543):

- (a) the bid submitted by Bre-Ex Limited, 247 Exeter Road, London, N6L1A5, at its submitted tendered price of \$6,001,132.08 (excluding H.S.T.) for the 2013 Southdale Road Widening 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) Stantec Consulting Limited, 1069 Wellington Road South, Suite 214, London, Ontario, N6E 1H6 **BE APPOINTED** Consulting Engineers for the contract administration and resident supervision of the said project in the amount of \$567,050.00 (excluding H.S.T.), 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 \$17,000.00 **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 13-32); and,
- (g) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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- Finance and Administration Committee - November 2, 2011 – Expropriation of Lands, Southdale Road West Road Widening Project, Wharncliffe Road to Wonderland Road
- Environment and Transportation Committee - July 19, 2010 – Appointment of Consulting Engineering Firm Capital Works Budget, Project TS1486, ES2419 Detailed Design for the Southdale Road Widening Wonderland Road to Wharncliffe Road
- Environment and Transportation Committee - October 19, 2009 – Environmental Study Report for Southdale Road Widening

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- Environment and Transportation Committee - October 15, 2007 - Appointment of a Consulting Engineer

BACKGROUND

Purpose:

This report provides an evaluation of tender bids received and provides recommendations on the award of a construction contract and continuation of engineering consulting services for the widening of Southdale Road West from Wonderland Road to Wharncliffe Road from two to five lanes. This will enhance its function as a major arterial road, improve traffic capacity and increase the level of safety. Improvements to Old Wharncliffe Road at Southdale Road are also being coordinated with this project for cost savings and efficiency.

Context:

Southdale Road Widening

Southdale Road is currently comprised of one through lane in each direction for the majority of the section between Wonderland Road and Wharncliffe Road. Southdale Road widens to four lanes as it approaches Wharncliffe Road from the west, and widens to four lanes approximately 400 metres east of Wonderland Road. The posted speed is 60km/h. This section of the road is very heavily travelled with over 25,000 vehicles per day. This area is experiencing commercial and residential growth creating an increase in localized and regional vehicular traffic. Both are expected to grow over time.

The Transportation Master Plan (2004) identified this segment of roadway as requiring widening to four through lanes in the immediate future and this project is identified in the Growth Management Implementation Strategy. The project need was confirmed in the Smart Moves 2030 Transportation Master Plan. The additional capacity on Southdale Road will complete a missing arterial road link upgrade, reduce traffic delays and mitigate an elevated collision rate. The Environmental Assessment (EA) for these improvements was completed in October of 2009. The Environmental Study Report recommended the construction of five lanes, two in each direction plus a center turning lane, with bicycle accommodation and sidewalks. Upgrades to storm, sanitary sewers and watermains are also being coordinated with this project for restoration cost savings and efficiency.

The recommended improvements will allow for an increase in traffic flow and additional access with the addition of turning lanes at the intersections between Notre Dame Drive and Wharncliffe Road. The addition of bicycle lanes in both directions will also provide a level of accessibility with added safety to cyclists. The inclusion of sidewalks will allow for an increase in accessibility by pedestrians.

Old Wharncliffe Road

Stantec completed a review of the traffic operations at the intersection of Southdale Road and Old Wharncliffe Road, situated immediately to the east of the intersection of Southdale and Wharncliffe Road. The investigation revealed that a higher than expected number of collisions has been recorded at this intersection. Between October 2004 and June 2008, a total of 41 collisions were reported at this intersection. Approximately 50 percent of these collisions occurred when eastbound vehicles turn left onto Old Wharncliffe Road. In addition, seven collisions occurred between westbound vehicles and vehicles leaving 21 Southdale Road East, also known as the Avanti Plaza on the south side of Southdale Road.

The improvements aim to improve safety and reduce the occurrence of collisions at this intersection by precluding left turns in and out of Old Wharncliffe Road and out of the Avanti Plaza. This will be achieved by an extension of the Southdale Road centre median island, relocation of the Avanti Plaza entrance to the east property limit, and construction of a channelized right turn on the adjacent property. In addition to these intersection improvements, pavement rehabilitation on Old Wharncliffe Road and modification to the south median island at Wharncliffe Road and Glendale Road to accommodate left turns onto Old Wharncliffe Road has been included in the design.

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DISCUSSION

Contract Design and Preparation:

The widening project will tie into the existing roadway prior to the Wharncliffe Road and Wonderland Road intersections, where there are already four through lanes and turning lanes. This approach will limit traffic disruption during construction activities.

The recommended improvements for this corridor include:

- Widening of the existing roadway to four lanes with a centre turn lane to accommodate the existing and future travel demands, improve traffic safety and maintain access to properties;
- Provisions of bicycle lanes to better accommodate commuter cyclists as recommended by London's Bicycle Master Plan;
- Connection of the existing sidewalk on the north and south sides of Southdale Road from Wonderland Road to Wharncliffe Road;
- Introduction of curb and gutter with storm sewer from Wonderland Road to Wharncliffe Road;
- Upgrades to sanitary sewer and watermain;
- Provisions to maintain turning lanes at intersections;
- Provisions to maintain traffic signals at intersections;
- Installation of roadway illumination; and,
- Safety improvements to the intersection of Southdale Road and Old Wharncliffe Road.

Tree plantings will be carried out under a subsequent landscaping contract if feasible. Planting opportunities are limited due to the presence of overhead hydro lines and an underground Union Gas easement.

The requirement for traffic signals at the intersection of Southdale Road and Singleton Avenue is anticipated in the long term; however, the signal warrant is not currently met. This contract includes the provision of underground infrastructure to facilitate future signal installation when the warrant is met. Sidestreet access will be improved in the meantime with the road widening.

Utility Relocations

The road widening necessitated numerous utility relocations involving London Hydro, Union Gas, Bell Canada and Rogers. Utility relocations have been underway at this site since the summer of 2012 and are now complete. These were undertaken separately and partially funded by the City as necessary based on standard utility cost-sharing agreements.

Tree Pre-Contract

Tree removal and trimming was undertaken in August of 2012. These removals were done in advance of the utility relocations to facilitate the London Hydro relocations.

Construction Considerations:

Traffic Staging

Construction is anticipated to begin in early May and be substantially completed at the end of November 2013. The surface course paving and some surface restoration will carry over into 2014.

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. Reduction of the southbound lanes of Wharncliffe Road to a single lane will be necessary for up to two nights.

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There is a potential that traffic control through the intersection of Southdale Road and Power Centre may require police control to accommodate the installation of the nearby storm sewer.

Tender Process:

Tender Summary

Tenders for the Southdale Road Widening project were opened on March 6th, 2013. Six (6) contractors submitted tenders prices as listed below (exclusive of H.S.T.):

CONTRACTOR		TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	Bre-Ex Limited	6,001,131.58	6,001,132.08
2.	Amico	7,003,152.50	-
3.	L82 Construction Ltd	7,056,566.25	-
4.	J-AAR Excavating Ltd	7,109,170.50	-
5.	Blue Con Construction	7,344,813.84	-
6.	Elgin Construction	7,457,357.85	-

All tenders have been checked by the Engineering Services Department, and Stantec Consulting. One (1) 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 \$7,867,139.00 (excluding H.S.T.). The low tender is 24% below the internal estimate indicating a very competitive environment and illustrates the benefit of strategically staging City tenders and tendering projects early in the construction season.

The tender amount is within the available funds in the City's Transportation, Wastewater and Water project budgets. All tenders include a contingency allowance of \$700,000.00 (excluding H.S.T.).

Consulting Services:

The City retained Stantec Consulting Limited through a competitive consultant acquisition process in 2008 to conduct a Class Environmental Assessment for the Southdale Road Widening. Council adopted the Environmental Study Report in October, 2009. Stantec Consulting Limited has also completed detailed design, preparation of property acquisition plans, consulted with London Hydro, Bell, Union Gas and Rogers on utility relocation requirements and administered the advance tree contract in 2012. With their knowledge and experience on this project, Stantec Consulting Limited 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 Procurement of Goods and Services Policy, Civic Administration is recommending that Stantec Consulting Limited be authorized to carry out the remainder of engineering services to complete this project for a fee estimate of \$567,050.00 (excluding H.S.T.). The value of this assignment as a percentage of the construction value is slightly elevated due to the extremely competitive tender value and to provide additional contractor monitoring and quality assurance services. The additional construction administration scope will provide the City with value by ensuring quality construction and reducing the risk of extra costs. The continued use of Stantec 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

Stantec Consulting Limited and Civic Administration have reviewed the tender bids and recommend that Bre-Ex Limited be awarded the contract in the amount of \$6,001,132.08 (excluding H.S.T.) for the Southdale Road Widening. Award of this contract will allow the project objectives to be met within the available budget and schedule.



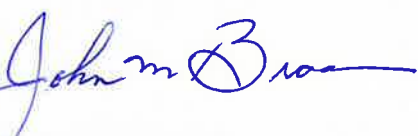
Stantec Consulting Limited has demonstrated an understanding of the City requirements for this project and it is recommended that this firm continue as the consulting engineer for the purpose of contract administration as it is to the best financial and technical interests of the City.

Anticipated additional annual operating costs to the Environmental and Engineering Services budget in 2014 and subsequent years associated with the additional road infrastructure is \$13,900 and new sewer infrastructure is \$3,100.

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:

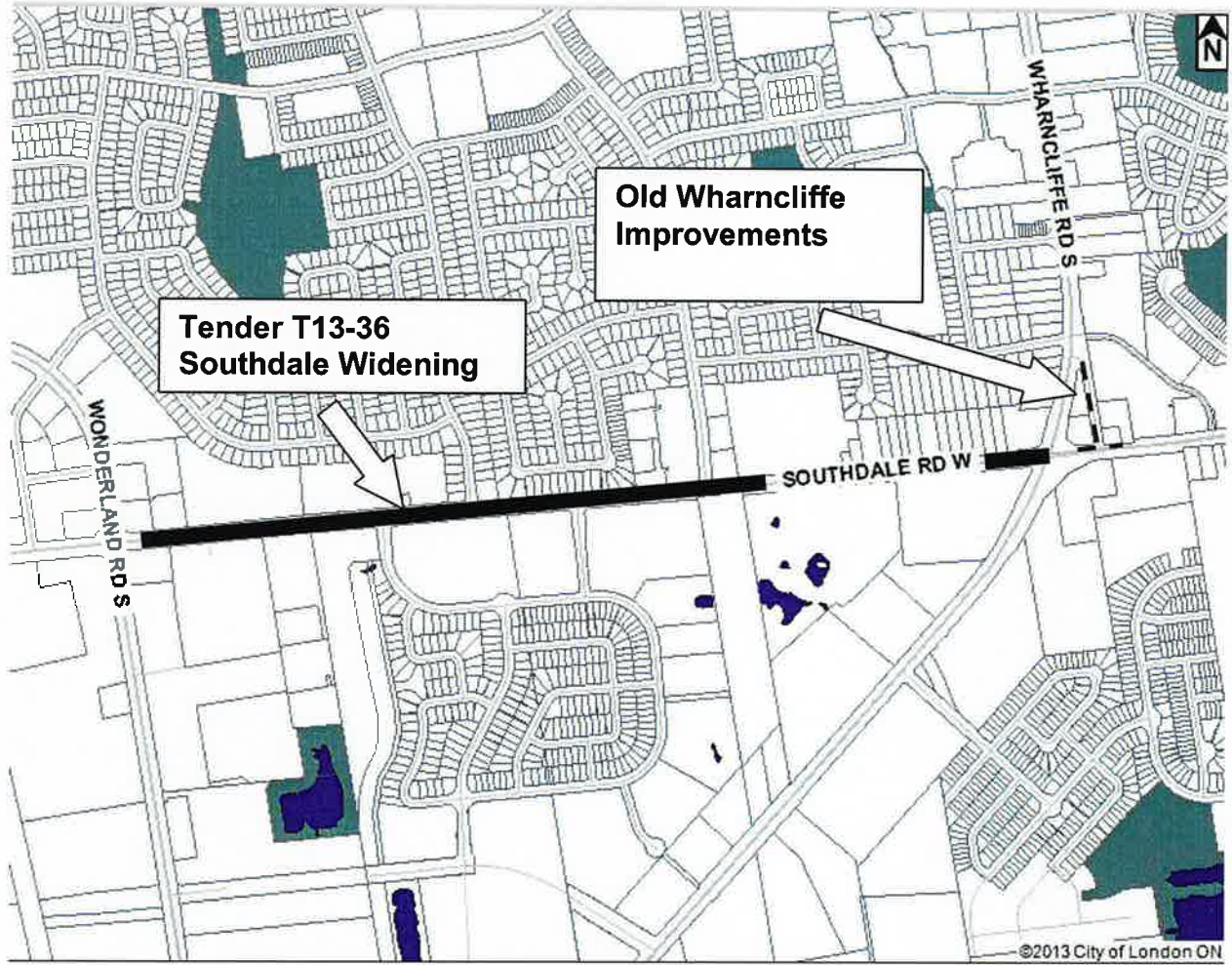
This report was prepared with assistance from Max Kireev, Technologist II in the Transportation Planning and Design Division.

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

- c: Pat Shack
 Marta Semeniuk
 John Lucas
 Stantec Consulting Limited.
 Bre-Ex Ltd., Amico Infrastructures (Oxford) Inc., L82 Construction Ltd,
 J-AAR Excavating Limited, Blue Con Construction, Elgin Construction.

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

Appendix 'B' Project Map



-  - Road Widening
-  - Old Wharnccliffe Road Improvements

APPENDIX 'A'

#13030
March 22, 2013
(Award Contract)

Chair and Members
Civic Works Committee

RE: 2013 Growth Management Implementation Strategy (GMIS)
Southdale Road West Widening
Capital Project TS1486 - Southdale Road Widening - Wonderland to Wharnccliffe
Capital Project TS1254-12 - 2012 Local Roadworks
Capital Project ES2467 - Wonderland Power Centre
Capital Project EW3542 - Southdale West Main Replacement
Stantec Consulting Limited - \$567,050.00 (excluding H.S.T.)
Bre-Ex Limited - \$6,001,132.08 (excluding H.S.T.)

FINANCE DEPARTMENT REPORT ON THE SOURCES OF FINANCING:

Finance Department confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of financing for this project is:

ESTIMATED EXPENDITURES	Approved Budget	Committed to Date	This Submission	Balance for Future Work
TS1486-Southdale Rd Widening				
Engineering	\$1,213,479	\$526,199	\$577,031	\$110,249
Land Acquisition	862,520	420,932		441,588
Construction	9,000,000	2,550	4,876,737	4,120,713
Relocate Utilities	500,000	260,437		239,563
City Related Expenses	156,395	6,542		149,853
	<u>\$11,732,394</u>	<u>\$1,216,660</u>	<u>\$5,453,768</u>	<u>\$5,061,966</u>
TS1254-12 - 2012 Local Roadworks				
Engineering	58,680	18,456		40,224
Construction	76,320		76,320	0
	<u>135,000</u>	<u>18,456</u>	<u>76,320</u>	<u>40,224</u>
ES2467 - Wonderland Power Centre				
Construction	172,390		172,390	0
City Related Expenses	2,610			2,610
	<u>175,000</u>	<u>0</u>	<u>172,390</u>	<u>2,610</u>
EW3543 - Southdale West Main Replace				
Engineering	105,000			105,000
Construction	1,140,000		981,305	158,695
City Related Expenses	60,000			60,000
	<u>1,305,000</u>	<u>0</u>	<u>981,305</u>	<u>323,695</u>
NET ESTIMATED EXPENDITURES	<u>\$13,347,394</u>	<u>\$1,235,116</u>	<u>\$6,683,783</u> 1)	<u>\$5,428,495</u>

SOURCE OF FINANCING:

TS1486-Southdale Rd Widening				
Debenture By-Law No. W.-5290-234 2)	\$2,346,394	\$243,323	\$1,090,714	\$1,012,357
Drawdown from City Services-Roads R.F. (Development Charges) 3)	9,386,000	973,337	4,363,054	4,049,609
	<u>11,732,394</u>	<u>1,216,660</u>	<u>5,453,768</u>	<u>5,061,966</u>
TS1254-12 - 2012 Local Roadworks				
Capital Levy	135,000	18,456	76,320	40,224
ES2467 - Wonderland Power Centre				
Contribution from Developer 4)	175,000	0	172,390	2,610
EW3543 - Southdale West Main Replace				
Drawdown from Capital Water R.F.	1,305,000	0	981,305	323,695
TOTAL FINANCING	<u>\$13,347,394</u>	<u>\$1,235,116</u>	<u>\$6,683,783</u>	<u>\$5,428,495</u>

	TS1486	TS1254-12	ES2467	EW3543	Total Construction
Financial Note - Construction					
1) Contract Price	\$4,792,391	\$75,000	\$169,408	\$964,333	\$6,001,132
Add: HST @13%	623,011	9,750	22,023	125,363	780,147
Total Contract Price Including Taxes	5,415,402	84,750	191,431	1,089,696	\$6,781,279
Less: HST Rebate	538,665	8,430	19,041	108,391	674,527
Net Contract Price	<u>\$4,876,737</u>	<u>\$76,320</u>	<u>\$172,390</u>	<u>\$981,305</u>	<u>6,106,752</u>
					Total Engineering
Financial Note - Engineering					
1) Contract Price	\$567,050	\$0	\$0	\$0	\$567,050
Add: HST @13%	73,717	0	0	0	73,717
Total Contract Price Including Taxes	640,767	0	0	0	\$640,767
Less: HST Rebate	63,736	0	0	0	63,736
Net Contract Price	<u>\$577,031</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>577,031</u>
Total Construction & Engineering	<u>\$5,453,768</u>	<u>\$76,320</u>	<u>\$172,390</u>	<u>\$981,305</u>	<u>\$6,683,783</u>

APPENDIX 'A'

Chair and Members
Civic Works Committee

#13030
March 22, 2013
(Award Contract)

RE: 2013 Growth Management Implementation Strategy (GMIS)
Southdale Road West Widening
Capital Project TS1486 - Southdale Road Widening - Wonderland to Wharnccliffe
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Stantec Consulting Limited - \$567,050.00 (excluding H.S.T.)
Bre-Ex Limited - \$6,001,132.08 (excluding H.S.T.)

2) Note to City Clerk:

The City Clerk be authorized to increase Debenture By-Law No. W.-5290-234 by \$1,768,720 from \$577,674 to \$2,346,394.

- 3) Development Charges have been utilized in accordance with the underlying legislation and the Development Charges Background Studies completed in 2009.
- 4) Funding of \$175,000 was provided by the developer to address flooding issues in the Wonderland Power Centre/Southdale area.
- 5) Anticipated additional annual operating costs to the Environmental and Engineering Services budget in 2014 and subsequent years associated with the additional road infrastructure is \$13,900 and a new sewer infrastructure is \$3,100.

EH



Alan Dunbar

Manager of Financial Planning & Policy