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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MARCH 29, 2016
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	CONTRACT AWARD: TENDER NO. 16-14 VETERANS MEMORIAL PARKWAY RESURFACING

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the award of a contract for the Veterans Memorial Parkway Resurfacing between Highway 401 to north of Gore Road; it being noted that a second tender is anticipated in 2017 to extend the resurfacing northerly to Oxford Street:

- (a) the bid submitted by Coco Paving Inc. (London) at its submitted tendered price of \$5,933,000 (excluding H.S.T.), for said project **BE ACCEPTED**; it being noted that the bid submitted by Coco Paving Inc. (London) was the lowest of three (3) bids received and meets the City's specifications and requirements in all areas;
- (b) Parsons Inc., **BE AUTHORIZED** to carry out the resident inspection, contract administration and additional traffic signal design of the said project in the amount of \$315,829 (excluding H.S.T.), in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (c) 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 for the material to be supplied and the work to be done relating to this project (Tender 16-14); 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

- Civic Works Committee - October 6, 2015 – Veterans Memorial Parkway Pavement Rehabilitation, Appointment of Survey Consultant.

2015 - 19 STRATEGIC PLAN

The following report supports the Strategic Plan through the strategic focus area of *Building a Sustainable City* by addressing and managing the infrastructure gap. The project provides an important asset management transportation network improvement.

BACKGROUND

Purpose

This report recommends the award of a construction tender to a contractor and the continuation of engineering consulting services for the Veterans Memorial Parkway (VMP) Resurfacing project.

Context

VMP, formerly known as Airport Road and Highway 100, is classified as an expressway within the City of London and currently stretches up the east side of the City from Highway 401 to Huron Street. VMP is an important economic corridor linking key industrial areas and the airport to the city and the provincial highway network. Current daily traffic levels range from 14,000 to 26,000 vehicles per day of which 8 to 15% are large heavy trucks. Plans are underway to extend the VMP south of Highway 401 to Wilton Grove Road and north-westerly from Huron Street to Clarke Road increasing the functionality of corridor along the City's eastern limits.

Given the VMP's road classification, traffic volumes and design speeds, the pavement condition needs to be actively management. The asphalt condition of this roadway has deteriorated to the point that now is the time for a strategic infrastructure investment.

DISCUSSION

Background

The existing southbound lanes of the VMP were originally constructed by the Ministry of Transportation in 1978 when it was a two lane roadway. The City widened the road with the addition of the northbound lanes in 2005. This work also included the rehabilitation of the original lanes.

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The City actively manages its assets using comprehensive asset management tools. In particular, the City's Pavement Management System monitors the roadway pavement conditions, predicts deterioration and establishes strategic rehabilitation programs using the available funding. Pavement condition and smoothness directly contributes to safe and efficient travel. The influence of pavement quality on the safety of drivers and exposure of maintenance crews increases on higher speed facilities like VMP.

The pavement condition on the VMP between Highway 401 and Oxford Street is relatively consistent and is exhibiting extensive severe cracking. Various pavement rehabilitation strategies were considered. It was determined that the complete asphalt replacement with a premium quality asphalt in order to better meet the increasing needs of future growth along this corridor provided the best long-term value. This contract involves the complete replacement the asphalt from Highway 401 to north of Gore Road. A second phase of this project is planned in 2017 to extend this pavement rehabilitation further north to Oxford Street East.

The contract will also coordinate upgrades to some of the traffic signals including new pedestrian ramping at the intersections.

Construction Considerations

Traffic Staging

Due to the nature of the work and requirement for warmer temperatures, construction is anticipated to begin in mid-April, 2016 with the installation of temporary traffic signals and traffic crossovers. The bulk of the resurfacing work (removing existing asphalt, re-grading and placing new asphalt) will be completed between early June and the end of August, with the removal of the temporary facilities being completed by the end of September, 2016. During the project, VMP will be reduced from four lanes of traffic to two lanes of traffic, with dedicated left hand turns being maintained at all signalized intersections. Traffic will be diverted to the southbound lanes (with one travel lane in each direction) while the work is completed on the northbound lanes and vice versa. Under the authority of the Subsections 128 (8.1) and (10) of the Highway Traffic Act, the VMP from Hwy 401 to north of Gore Road will be designated as an official construction zone and the speed limit will be reduced to 70km/hr for the duration of the work. Some work at intersections or at the traffic crossover points may require weekend work, night work, consecutive shifts and/or the use of police services to control traffic.

Every effort is being made to ensure Londoners are aware of construction zones and traffic detours resulting from 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.

Co-ordination with Ministry of Transportation

Advance notice signing on Highway 401 has been reviewed and accepted by the Ministry of Transportation. Signage will be installed east of Westchester Bourne and west of Highbury Avenue to warn motorist of construction being done on the VMP. This advance signage will provide motorists with opportunities to take alternate routes to get to their destinations.

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Some initial construction operations associated with the extension of VMP south to Wilton Grove Road and related Highway 401 interchange improvements will also occur this year. The VMP resurfacing contractor has been advised to coordinate with the Hwy 401 / VMP interchange work. The interchange improvements will predominantly occur in 2017.

Tender Summary

Tenders for the VMP Resurfacing Project were opened on Wednesday, February 17, 2016. Three (3) contractors submitted tender prices as listed below (excluding H.S.T.).

CONTRACTOR		TENDER PRICE SUBMITTED (\$)	CORRECTED TENDER PRICE (\$)
1.	Coco Paving Inc. (London)	5,933,000.00	---
2.	Capital Paving	5,977,062.69	---
3.	Dufferin Construction Company	6,370,855.50	----

All tenders have been checked by the Environmental and Engineering Services Department and Parsons Inc. All tenders submitted were free from errors.

The results of the tendering process indicates a competitive process. Funds adequate for this award of this tender are identified in the capital budget.

The tender estimate prior to tender opening was approximately \$6,869,548 (excluding H.S.T.).

Consulting Services

In 2015, Parsons Inc. was initially selected to provide design services for both construction phases of the project between Highway 401 and Oxford Street. Parsons was selected from four consulting firms who were invited to submit competitive proposals for this project in accordance with Section 15.2 (d) of the Procurement of Goods and Services Policy. Based on the evaluation criteria and selection process, the evaluation committee concluded the proposal from Parsons Inc. provided the best value to the City. Civic Administration appointed Parsons Inc. as the consulting engineer for the detailed design and tendering of the project.

Due to the consultant's knowledge and experience with this project, Parsons was requested to submit a proposal to carry out the contract administration and resident supervision for Phase 1 and minor additional signal upgrade design work for one intersection in Phase 2.

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In accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy, Civic Administration is recommending that Parsons Inc. be authorized to carry out engineering services related to construction administration of the 2016 construction phase and minor signal upgrade design work for the second phase of this project for a fee estimate of \$315,829 (excluding H.S.T.). Most of these fees (\$299,409) are associated with the inspection services necessary to ensure the City receives the construction product specified and value for the investment. A smaller component of the fees identified above (\$16,420) is related to traffic signal design work for improvements to the Oxford Street East / VMP intersection; the 2017 resurfacing work presents a cost-effective opportunity to accomplish this work.

The continued use of Parsons Inc. on this project for these additional services 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. The City's construction administration requirement for the creation of record drawings following construction necessitates the reviewing engineer seal them on the basis of field verification and ongoing involvement. Consequently, the continued use of Parsons Inc. who created and sealed the design drawings is required to not violate the City practice of Professional Engineers sealing record drawings. The approval of this work will bring the value of the overall consulting assignment to \$414,609.

CONCLUSION

Civic Administration has reviewed the tender bids and recommends Coco Paving Inc. (London) be awarded the contract for the 2016 VMP Resurfacing Project.

Parsons Inc. 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 2016 contract administration and additional minor design work as it is in the best financial and technical interests of the City.

There are no anticipated additional annual operating costs to the Environmental and Engineering Services associated with the approval of this tender.

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Acknowledgements

This report was prepared with assistance from Jane Fullick, C.E.T., Technologist II, Karl Grabowski, P. Eng., Transportation Design Engineer, both of the Transportation Planning and Design Division.

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RECOMMENDED BY:	
JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER	

KG/jef

Attach: Appendix A – Source of Financing

- c. H. Huotari, P. Eng., Parsons Inc.
Coco Paving Inc. (London), 1865 Clarke Road, London, ON N5X 3Z6