



City of Richmond

Report to Committee

To: General Purposes Committee

Date: February 10, 2006

From: Robert Gonzalez, P.Eng.
Director, Engineering

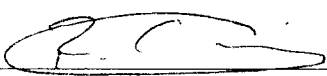
File:

Re: Award of 2006 Paving Contract T.2802

Staff Recommendation

That the report from the Director, Engineering regarding the award of Contract T.2802 – 2006 Asphaltic Concrete Paving to the lowest bidder, Columbia Bitulithic Limited, be received for information.

Robert Gonzalez, P.Eng.
Director, Engineering
(4150)

FOR ORIGINATING DIVISION USE ONLY			
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER	
Roads & Dykes.....	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	 (ACTING)	
REVIEWED BY TAG	YES <input checked="" type="checkbox"/> <i>DW</i> NO <input type="checkbox"/>	REVIEWED BY CAO	YES <input checked="" type="checkbox"/> <i>VE</i> NO <input type="checkbox"/>

Staff Report

Origin

The asphaltic concrete paving program is part of the proposed 2006 operating budget. This is seasonal work and therefore it is important to expedite this program in order to have it commence at the earliest possible time. The typical paving season is between April and October.

Background

The scope of work includes milling and the paving of roads in priority order as identified by the City's Pavement Management System (PMS) and staff.

Paving is tentatively scheduled to commence on April 15, 2006 and will continue until approximately October 15, 2006, subject to weather or uncontrollable delays. A detailed construction schedule will be forwarded to Mayor and Councillors as soon as it is available. In addition, residents and businesses impacted by construction will receive hand delivered letters in advance of construction and road advisories will be advertised in local newspapers.

Included in Appendix B is a list of the proposed paving sites and the respective justification.

Tender Results

The following four tenders were opened on Tuesday, February 7, 2006 and have been reviewed by Engineering Staff. Tenders were as follows:

TENDER	TOTAL TENDER AMOUNTS
Columbia Bitulithic Ltd.	\$2,458,947.00 + GST
WinVan Paving Ltd.	\$2,496,195.00 +GST
Imperial Paving Ltd.	\$2,599,407.75+GST
J.Cewe Ltd	\$2,693,342.00 +GST

Note that the public tenders are accessible through the City's web site and results are posted on the BC Bid web site.

Analysis

All tenders were checked for legal and mathematical errors. The low bidder for contract T.2802 is Columbia Bitulithic Limited. This contractor has extensive relevant experience and has been the paving contractor for the City in past years including the 2005 paving program.

Financial Impact

Funding Required	\$2,464,152.00
City Operational Funding Available	\$2,006,000.00
Additional Funding Sources (MRN*)	\$ 400,000.00
Capital Projects	\$ 121,000.00
Total Available Funding	<u>\$2,527,000.00</u>
Balance	\$ 62,848.00

* Represents funding from the Greater Vancouver Transportation Authority for the City's Major Road Network.

Discussion

In prioritizing the list of roads to be repaved in 2006, staff based their decisions upon available funding as well as road segments prioritized in the PMS 5-year rehabilitation program. It should be noted that in order to maintain our road network at its current level and minimize deterioration, our PMS shows an annual budget in excess of \$3.0 million would be required. However given present funding levels this is not possible. In early summer staff intend to adjust the 2006 paving program to include highest priorities based on the extent of damage done during the winter and to meet the available funding levels.

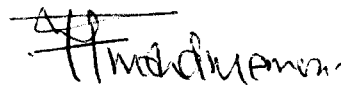
As noted in Appendix A, available operational funding is currently \$1.6 million. Asphalt prices are directly related to petroleum costs and have risen over 40% since 2000. It is anticipated that prices will continue to increase over the next few years.

Conclusion

The tender being awarded is the lowest of the tenders received. Therefore the City is in the process of entering into a contract with Columbia Bitulithic Limited.



Jim V. Young, P. Eng.
Manager, Engineering D&C
(4610)



Wasim Memon, C.E.T.
Supervisor – Inspections
(4189)

WM:wm

APPENDIX A

Funding sources and costs are as follows:

Funding Source T.2802	Budget Available	Total Package Funding Required	Balance
Maintenance Operating Budget Acct. No. 4990-10-411-41730-0000	\$2,006,000	\$1,943,152	\$62,848*
2006 MRN (Major Road Network) Acct. No. 4990-10-411-45430-0000	\$400,000	\$400,000	
Capital Paving	\$121,000	\$121,000	
Total	\$2,527,000	\$2,464,152	\$62,848

* Remaining funds will be used to fund the next priority road paving project.

APPENDIX B

CITY OF RICHMOND PUBLIC WORKS CAPPING PROGRAM

LOCATION	FAULTS
23000 Block of Dyke Road	- badly cracked surface
Williams Road. No.1 Road to Railway Avenue	- some low utility cuts - severe transverse cracking - several alligatored areas - severe longitudinal cracking
22000 Block of Dyke Road	- severe longitudinal cracking - several alligator cracked areas - some transverse cracking
4000 Block of Boundary Road	- utility trench cracking - asphalt fatigue
2000 Block of No.7 Road	- severe utility cuts - severe longitudinal cracking - minor transverse cracking
3000 Block of No.7 Road	- some transverse cracking - surface fatigue
11000 Block of No.4 Road	- utility cuts - transverse cracking - longitudinal cracking
Sidaway Road Blundell Road to Steveston Highway	- transverse cracking - surface erosion
Lansdowne Road. Garden City to No.3 Road	- utility trench reinstatement - transverse cracking
Leslie Road. Hazelbridge to No.3 Road	- multiple utility trenches
Ferguson Road. Macdonald Road to Shannon Road.	- vibration Complaints - utility cuts - surface erosion
MacDonald Road. Ferguson Road to Parking lot (Parking lot included)	- multiple utility trenches - fatigue, alligatored and erosion
Grauer Road. East of Templeton	- multiple utility trenches
Steveston Highway. Highway 99 Overpass to Palmberg Road	- alligatored asphalt - fatigued surface
Westminster Highway. No.7 Road to No.8 Road	- MRN Treatment
Westminster Highway. Nelson Road to No.9 Road (CN Tracks)	- MRN Treatment

LOCATION	FAULTS
No. 2 Road. Blundell Road to Francis Road	- MRN Treatment
Pendleton Road	- asphalt cracking
Ellsmore Road	- multiple utility cuts - frost damage
Pinewell Crescent	- second lift asphalt
Rideau Drive	- asphalt cracking
Heather Street. Francis Road to Dixon Avenue	- asphalt cracking
Blair Drive. Howard St. to the Shepard Drive Including the laneway.	- second asphaltic lift
Shepard Drive. Howard street to the cul-de-sac	- second asphaltic lift
Hall Avenue. Shepard Drive to Odlin Road including the laneway.	- second asphaltic lift