



To: Public Works and Transportation Committee **Date:** March 6, 2007
From: Robert Gonzalez, P.Eng. **File:** 02-0775-50-2994/Vol 01
Director, Engineering
Re: Award of 2007 Paving Contract T.2994

Staff Recommendation

That the report from the Director, Engineering regarding the award of Contract T.2994 – 2007 Asphaltic Concrete Paving to the lowest bidder, Columbia Bitulithic Limited, be received for information.

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

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ROUTED TO:		CONCURRENCE		CONCURRENCE OF GENERAL MANAGER	
Roads & Dykes		Y	<input checked="" type="checkbox"/>	N	<input type="checkbox"/>
REVIEWED BY TAG		YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
		REVIEWED BY CAO		YES	NO
				<input checked="" type="checkbox"/>	<input type="checkbox"/>

Staff Report

Origin

The asphaltic concrete paving program is part of the proposed 2007 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, 2007 and will continue until approximately October 15, 2007, 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 two tenders were opened on Wednesday, February 21, 2007 and have been reviewed by Engineering Staff. Tenders were as follows:

TENDER	TOTAL TENDER AMOUNTS
Columbia Bitulithic Ltd.	\$2,873,551.40 + GST
Imperial Paving Ltd.	\$2,979,385.20 + GST

Note that the public tenders are accessible through the City's and BC Bid web site. Results are also 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 2006 paving program.

Financial Impact

Funding Required	\$2,873,551.40
City Operational Funding Available	\$2,130,000.00
Approved Additional Funding Request	\$ 200,000.00
Additional Funding Sources (MRN*)	\$ 472,400.00
Capital Projects	\$ 96,000.00
Total Available Funding	<u>\$2,898,400.00</u>
Balance	\$ 24,848.60

* 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 2007, 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 \$4.0 million would be required. However, given present funding levels this is not possible. In early summer, staff intend to adjust the 2007 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 \$2.13 million. Staff took the initiative of adding an "Energy Related Costs" item to the 2007 paving tender, which shares the costs related to oil price fluctuations with the contractor, thereby availing the City to the lowest possible bid prices.

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.



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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	\$2,130,000	\$2,105,151.40	\$24,848.60
Approved Additional Funding Requests	\$200,000.00	\$200,000.00	\$0.00
2007 MRN (Major Road Network) Acct. No. 4990-10-411-45430-0000	\$472,400.00	\$472,400.00	\$0.00
Capital Paving	\$96,000.00	\$96,000.00	\$0.00
Total	\$2,898,400.00	\$2,873,551.40	\$24,848.60

APPENDIX B

CITY OF RICHMOND PUBLIC WORKS CAPPING PROGRAM

LOCATION	FAULTS
Miller Road (south half) between Aylmer and Russ Baker Way	- badly cracked surface
8000 Block of Lansdowne Road (East Bound Lanes)	- some low utility cuts - severe transverse cracking - several alligatored areas - severe longitudinal cracking
8000 Block of Lansdowne Road (West Bound Lanes)	- severe longitudinal cracking - several alligator cracked areas - some transverse cracking
4000 Block of Moncton Street	- utility trench cracking - asphalt fatigue
10,000 Block of No.4 Road	- severe utility cuts - severe longitudinal cracking - minor transverse cracking
4 – 5000 Block of No.6 Road	- some transverse cracking - surface fatigue
14,000 Block of Burrows Road	- utility cuts - transverse cracking - longitudinal cracking
8000 Block of Granville Avenue (East Bound Lanes)	- transverse cracking - surface erosion
5000 Block of Garden City Road	- utility trench reinstatement - transverse cracking
Cambie Road (Jacombs to No.6 Road)	- multiple utility trenches
4000 block of Francis Road	- vibration Complaints - utility cuts - surface erosion
22,000 Block of Westminster Highway (Overpass to Mclean Avenue)	- MRN Treatment
12,000 Block of Steveston Highway	- MRN Treatment
7000 Block of Westminster Highway	- MRN Treatment
10,000 Block of Steveton Highway	- MRN Treatment
Broadmoor Boulevard	- utility cuts - transverse cracking - longitudinal cracking
8000 Block of Heather Street	- utility cuts, surface erosion
5000 block of Maple Road	- asphalt cracking