Agenda – Council – April 23, 2008

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 8, 2008

Item No. 2 Supply and Install On-board Video Surveillance for Transit Buses File TE-1

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 9, 2008, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works, with the following amendment:

- Add a new Recommendation No. 3 as follows:

  "3. That the Winnipeg Public Service report back to the Standing Policy Committee on Infrastructure Renewal and Public Works with an update on the City's 2008 On-Street Transit Improvement Program, including innovative means to achieve on-street improvements that will improve the speed and reliability of our transit system."

  and renumber the remaining recommendation accordingly,

and submits the matter to Council.

STANDING COMMITTEE RECOMMENDATION:

On April 8, 2008, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation of the Winnipeg Public Service and submits the following to Council:

1. That $1,809,752.00 in funding from the 2007 Capital Program for Transit Improvements, Diamond/Queue Jump Lanes (Project Number 4230010607) be transferred to the 2006 Capital Program On-board Security Cameras project (Project Number 4230010506).

2. That the contract to Supply and Install On-board Video Surveillance for Transit Buses – Bid Opportunity 718-2007 be awarded to Advance Electronics Ltd., the qualified Bidder who submitted the lowest evaluated responsive bid, in the corrected amount of $2,719,395.00, GST and MRST extra as applicable.

3. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 8, 2008

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 9, 2008, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works with the following amendment:

- Add a new Recommendation No. 3 as follows:

  "3. That the Winnipeg Public Service report back to the Standing Policy Committee on Infrastructure Renewal and Public Works with an update on the City's 2008 On-Street Transit Improvement Program, including innovative means to achieve on-street improvements that will improve the speed and reliability of our transit system."

  and renumber the remaining recommendation accordingly,

and forwarded the matter to Council.

STANDING COMMITTEE RECOMMENDATION:

On April 8, 2008, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation of the Winnipeg Public Service and submitted the matter to the Executive Policy Committee and Council.

RE: Supply and Install On-board Video Surveillance for Transit Buses – Bid Opportunity 718-2007

FOR SUBMISSION TO: **Standing Policy Committee on Infrastructure Renewal and Public Works**

ORIGINAL REPORT SIGNED BY: **Dave Wardrop, Director of Transit**

REPORT DATE: **March 27, 2008**

RECOMMENDATION:

1. **That $1,809,752 in funding from the 2007 Capital Program for Transit Improvements, Diamond/Queue Jump Lanes (Project Number 4230010607) be transferred to the 2006 Capital Program On-board Security Cameras project (Project Number 4230010506).**
2. **That the contract to Supply and Install On-board Video Surveillance for Transit Buses – Bid Opportunity 718-2007 be awarded to Advance Electronics Ltd., the qualified Bidder who submitted the lowest evaluated responsive bid, in the corrected amount of $2,719,395.00, GST and MRST extra as applicable.**

Report Summary

Key Issues:

1. A bid opportunity for the Supply and Installation of On-board Video Surveillance for Transit Buses outlined in this report, Bid Opportunity No. 718-2007, closed at 4:00 p.m., Thursday, January 17th, 2008.
2. Advance Electronics Ltd. is the responsible and qualified Bidder submitting the lowest evaluated responsive bid.

Implications of the Recommendation(s):

General Implications

(x) None
( ) For the organization overall and/or for other departments
( ) For the community and/or organizations external to the City
( ) Involves a multi-year contract
Comment(s):

Policy Implications

(x) No
( ) Yes
Comment(s):

Regulatory Implications

(x) None
( ) Eliminates or reduces regulatory impact
( ) Proposes regulatory impact
Comment(s):

Environmental Implications

(x) No
( ) Yes
Comment(s):

Human Resources Implications

(x) No
( ) Yes
Comment(s):

Financial Implications

( ) Within approved current and/or capital budget
(x) Current and/or capital budget adjustment required
Comment(s): The administration requires Council approval to transfer funds to the project.

Report

REASON FOR THE REPORT:

As there are not sufficient funds in the approved budget, Council has authority to authorize the transfer of funds from one capital account to cover the difference between the budgetary provision and the monetary consideration to be paid by the City. Pursuant to the Materials Management Policy, Council has authority to approve an award of contract to be made by the Chief Administrative Officer.

HISTORY:

On February 21, 2006, Council approved the 2006 Capital Budget that included an amount of $1.1 million for the installation of on-board video surveillance systems on Winnipeg Transit's bus fleet. On February 22, 2006, Council approved the report submitted by the Transit Department on the Rapid Transit Task Force Recommendations – Implementation Plan. The implementation plan included a recommendation that on-board security camera systems be installed to improve passenger safety and security in conjunction with other on-board Intelligent Transportation System projects with Bill C-66 Federal Gas Tax revenues specified for Transit purposes.

DISCUSSION:

Transit has used video and audio surveillance on a limited number of buses since 1996 and every bus in the fleet is equipped with a decal informing passengers that audio and video surveillance is used.

During the past three years, Transit has been testing on-board digital video surveillance systems designed to provide enhanced passenger and operator security. Enhanced security and deterrence is achieved through the use of an adequate number of overt cameras that provide complete coverage of the bus interior in sufficient detail to provide usable evidence for prosecution. It is the intent of the Transit Department to follow all guidelines as recommended by the Provincial Ombudsman under FIPPA. The results of the recent testing have caused a change in scope of the project and have resulted in an increase in the total cost of a fleet-wide implementation.

The 2007 and 2008 Capital Budgets adopted by Council include a total amount of $6.478 million for on-street transit priority measures (including diamond lanes and queue jumps). The sources of this funding include Province of Manitoba funding through the Gas Tax Gap contribution, and Federal Funding through the Gas Tax funds and Public Transit Capital Trust funds. Based on feasibility/preliminary design studies completed for the 2007and 2008 portions of the on-street transit priority program, $1.8 million in funding can be transferred from the transit priority project to the on-board security camera project without requiring any reduction in scope of the planned transit priority improvements. The on-board security camera project is an eligible project for the transferred funds under the respective contribution agreements between the City and the other levels of government.

Bid Opportunity 718-2007 includes the following provisions:

1. Supply and install video surveillance systems into the entire fleet of 535 transit buses, over a period not to exceed four years.
2. Supply fifty removable spare hard drives.
3. Provide four years of annual service and maintenance.

4. Supply ten docking stations for viewing the removable hard drives.
5. Provide training to transit personnel.

Bid Opportunity 718-2007 for Supply and Install On-board Video Surveillance for Transit Buses closed at 4:00 p.m., Thursday January 17th, 2008 with 6 bids being received as follows:

1. Seon Design Inc.:	$ 3,475,500.00 GST and MRST extra as applicable
2. Southwest Surveillance Systems Canada Corporation:	$ 4,036,061.25 GST and MRST extra as applicable
3. Apollo Video Technology: Note: Plugged in warranty from Section 4	$ 3,770,240.00 GST and MRST extra as applicable
4. Advance Electronics Ltd.: Note: Miscalculation in Form B: Prices	$ 2,719,395.00 GST and MRST extra as applicable
5. Stanley Canada Corporation, Frisco Bay Divison: Note: Quoted cost per bus, miscalculation on Form B: Prices	$ 5,447,420.55 GST and MRST extra as applicable
6. G.E. Security (Winnipeg Branch): Note: Miscalculation on Form B: Prices	$ 5,099,527.13 GST and MRST extra as applicable

Bids were originally open for acceptance for 90 calendar days until April 16, 2008. A thirty-day extension has been granted, making the Bids open for acceptance until May 16, 2008.

The bid evaluation criteria identified in the Bid Opportunity are as follows:

1. Compliance by the Bidder with the requirements of the Bid Opportunity (Pass/Fail);
2. Qualifications of the Bidder and the Subcontractors (Pass/Fail);
3. Technical suitability – 50%, which includes Equipment Specifications (25%), Installation Specifications (10%) and Maintenance Specifications (15%);
4. Total Bid Price – 50%;
5. Economic Analysis of any approved Alternative.

If the bid submitted by Southwest Surveillance was low bid, the bid should be determined to be non-responsive in accordance with B14.2 because the bidder

conditioned the bid by stating that the goods are subject to any manufacturer's increases and prices will be reviewed on a quarterly basis, the price cannot be valuated. Additionally, the bidder further conditioned the bid by stating warranty terms that are less than required in GC 10.01(1) and are charging a restocking fee.

Advance Electronics Ltd. submitted a responsive Bid and, based on the criteria listed above and illustrated in Attachment 1, it is recommended that a contract be awarded to Advance Electronics Ltd.

The Contract Administrator has reviewed the work with the recommended Bidder and is of the opinion that it has the necessary resources and experience to perform all of the work in accordance with the requirements of the specifications.

The requirements for Bid Security, and the execution of a formal contract were waived for this purchase in accordance with the authority delegated to the Manager of Materials pursuant to Administrative Directive FM-002.

Financial Impact Statement

Date: February 25, 2008

Project Name:

Supply and Install On-board Video Surveillance for Transit Buses

First Year of Program

2008

	2008	2009	2010	2011	2012
Capital					
Capital Expenditures Required	$ 2,909,752				
Less: Existing Budgeted Costs	2,909,752				
Additional Capital Budget Required	$ -	$ -	$ -	$ -	$ -
Funding Sources:					
Debt - Internal					
Debt - External					
Grants (C-66, PTCT, Gas Tax, Gas Tax Gap)	2,909,752				
Reserves, Equity, Surplus					
Other -					
Total Funding	$ 2,909,752	$ -	$ -	$ -	$ -
Total Additional Capital Budget Required	$ -				
Total Additional Debt Required	$ -				
Current Expenditures/Revenues					
Direct Costs					
Less: Incremental Revenue/Recovery					
Net Cost/(Benefit)	$ -	$ -	$ -	$ -	$ -
Less: Existing Budget Amounts					
Net Budget Adjustment Required	$ -	$ -	$ -	$ -	$ -

Additional Comments: As there are not sufficient funds in the approved budget, Council has authority to authorize the transfer of funds from one capital account to cover the difference between the budgetary provision and the monetary consideration to be paid by the City. Pursuant to the Materials Management Policy, Council has authority to approve an award of contract to be made by the Chief Administrative Officer. Funds recommended for transfer are available in the approved Capital Estimates for Winnipeg Transit and are funded by Bill C-66, Provincial Transit Capital Trust, Gas Tax, and Provincial Gas Tax Gap payments. With Council approval of the transfer of budget identified in Recommendation 1 of this report, there will be sufficient budgets available to award this contract.

Original Signed by Rick Wilson

Manager of Finance & Administration

4018

IN PREPARING THIS REPORT THERE WAS:

Internal Consultation With and Concurrence By:

Legal Services Division, Internal Services Department
Materials Management Branch, Corporate Finance Department

External Consultation With:
N/A

THIS REPORT SUBMITTED BY:

Department	Transit
Division	Plant and Equipment
Prepared by:	Tim VanDekerkhove
File No.	

Attachment 1

	Importance		SEON Design Inc. 84.2 /100 Rank		Southwest Surveillance Systems 62.5 /100 Rank		Apollo Video Technology 74.7 /100 Rank		Advance Electronics Ltd. 88.2 /100 Rank		Stanley Canada Corporation 67.3 /100 Rank		G.E. Security 62.2 /100 Rank	
PRICE – 50%	1 – 5 Low - High													
1. Video Surveillance System	**5**	4797	5630 **0.85**	**4.26**	6221.75 **0.77**	**3.86**	6335 **0.76**	**3.79**	4797 **1.00**	**5.00**	6916.35 **0.69**	**3.47**	9012 **0.53**	**2.66**
2. Spare Hard Drives	**4**	380	550 **0.69**	**2.76**	517 **0.74**	**2.94**	519 **0.73**	**2.93**	380 **1.00**	**4.00**	638.82 **0.59**	**2.38**	550 **0.69**	**2.76**
3. Annual Service Agreement	**3**	60	200 **0.30**	**0.90**	307.17 **0.20**	**0.59**	659 **0.09**	**0.27**	60 **1.00**	**3.00**	800 **0.08**	**0.23**	112.51 **0.53**	**1.60**
4. Docking Stations	**4**	250	295 **0.85**	**3.39**	564 **0.44**	**1.77**	250 **1.00**	**4.00**	270 **0.93**	**3.70**	323.23 **0.77**	**3.09**	0	**0.00**
5. Training	**2**	2900	5000 **0.58**	**1.16**	18600 **0.16**	**0.31**	0 **1.00**	**2.00**	2900 **1.00**	**2.00**	0 **1.00**	**2.00**	9500 **0.31**	**0.61**
TOTAL				12.47		9.47		12.99		17.70		11.17		7.64
NORMALIZED out of		**50**		**35.23**		**26.73**		**36.68**		**50.00**		**31.54**		**21.56**
	Importance		Rank		Rank		Rank		Rank		Rank		Rank	
EQUIPMENT SPECIFICATIONS – 25%	1 – 5 Low - High		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong	
A. Maximum number of cameras per DVR	**5**		8 **5**	**25.00**	8 **5**	**25.00**	8 **5**	**25.00**	8 **5**	**25.00**	8 **5**	**25.00**	8 **5**	**25.00**
B. Maximum number of audio channels per DVR	**3**		2 **4**	**12.00**	2 **4**	**12.00**	2 **4**	**12.00**	2 **4**	**12.00**	2 **4**	**12.00**	4 **5**	**15.00**
C. Minimum recording/playback rate	**4**		1 **5**	**20.00**	10 - 30 **3**	**12.00**	10-30 **3**	**12.00**	.10 - 30 **5**	**20.00**	10 - 30 **3**	**12.00**	3.75 - 30 **4**	**16.00**
D. Maximum online storage capacity	**5**	1500	1500 **5**	**25.00**	750 **2.5**	**12.50**	750 **2.5**	**12.50**	750 **2.5**	**12.50**	750 **2.5**	**12.50**	1100 **3.67**	**18.33**
E. Assume 30 images/sec & 22 hours recording/day: days of storage	**3**		14 **3**	**9.00**	34 - 102 **5**	**15.00**	11 - 10.3 **2**	**6.00**	17 **4**	**12.00**	11 - 10.2 **2**	**6.00**	18 **4**	**12.00**
F. Video compression type	**3**		conditional **2**	**6.00**	conditional **2**	**6.00**	conditional **2**	**6.00**	conditional **2**	**6.00**	conditional **2**	**6.00**	conditional **2**	**6.00**
G. User configurable resolution settings	**3**		360x240 : 720x240 : **5**	**15.00**	yes **0**	**0.00**	yes **0**	**0.00**	yes **0**	**0.00**	yes **0**	**0.00**	yes **0**	**0.00**
H. Minimum lux rating for camera	**3**		0.1 **4**	**12.00**	0 **5**	**15.00**	0 **5**	**15.00**	0 **5**	**15.00**	0 **5**	**15.00**	0 **5**	**15.00**
I. Number of hard drive failures:hard drives installed	**3**		130 : 23,000 **5**	**15.00**	45 : 5,000 **4**	**12.00**	45: 5,000 **4**	**12.00**	45 : 5,000 **4**	**12.00**	45: 5,000 **4**	**12.00**	180 : 6,000 **2**	**6.00**
J. Software tested with Windows VISTA operating system?	**1**		yes **5**	**5.00**	yes **5**	**5.00**	yes **5**	**5.00**	yes **5**	**5.00**	yes **5**	**5.00**	no **3**	**3.00**
TOTAL				144.00		114.50		105.50		119.50		105.50		116.33
NORMALIZED out of		**25**		**25.00**		**19.88**		**18.32**		**20.75**		**18.32**		**20.20**
	Importance		Rank		Rank		Rank		Rank		Rank		Rank	
INSTALLATION SPECIFICATIONS – 10%	1 – 5 Low - High		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong	
K. Duration of installation, per bus	**4**		4 **5**	**20.00**	8 **2**	**8.00**	4 **5**	**20.00**	5 **4**	**16.00**	6 **3**	**12.00**	12 **1**	**4.00**
L. Number of installers required for installation	**3**		2 **5**	**15.00**	2 **5**	**15.00**	2 **5**	**15.00**	1 **3**	**9.00**	2 **5**	**15.00**	2 **5**	**15.00**
TOTAL				35.00		23.00		35.00		25.00		27.00		19.00
NORMALIZED out of		**10**		**10.00**		**6.57**		**10.00**		**7.14**		**7.71**		**5.43**
	Importance		Rank		Rank		Rank		Rank		Rank		Rank	
MAINTENANCE SPECIFICATIONS – 15%	1 – 5 Low - High		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong		1 – 5 Weak - Strong	
M. Remote system-wide diagnostic capability	**3**		yes **5**	**15.00**	yes **5**	**15.00**	yes **5**	**15.00**	yes **5**	**15.00**	yes **5**	**15.00**	yes **5**	**15.00**
N. Remote system-wide software upgrade capability	**5**		yes **5**	**25.00**	yes **5**	**25.00**	yes **5**	**25.00**	yes **5**	**25.00**	yes **5**	**25.00**	yes **5**	**25.00**
O. Number of Field Service Engineers	**3**		15 **5**	**15.00**	5 **3**	**9.00**	5 **3**	**9.00**	2 **1**	**3.00**	5 **3**	**9.00**	8 **4**	**12.00**
P. Response time to deal with system failure	**5**		4 **4**	**20.00**	<= 48 **1**	**5.00**	<= 48 **1**	**5.00**	24 - 48 **2**	**10.00**	<= 48 **1**	**5.00**	2 **5**	**25.00**
Q. Repair time to deal with system failure	**3**		48 **2**	**6.00**	<= 24 **2**	**6.00**	<= 24 **3**	**9.00**	24 - 48 **2**	**6.00**	<= 24 **3**	**9.00**	4 **5**	**15.00**
R. Spare Parts List	**3**		10D, 0E, 50C, 10G, 2A, 20H, 10M, 10W **5**	**15.00**	0D, 0E, 7C, 0G, 0A, 3H, 0M, 0W **1**	**3.00**	0D, 0E, 7C, 0G, 0A, 3H, 0M, 0W **1**	**3.00**	1D, 1E, 2C, 1G, 1A, 2H, 0M, 1W **2**	**6.00**	2D, 2E, 12C, 2G, 2A, 10H, 0M, 0W **4**	**12.00**	5D, 02E, 30C, 0G, 0A, 25H, 0M, 0W **3**	**9.00**
S. System Maintenance Schedule	**3**		D5, M0, Q0, Y3 **4**	**12.00**	D1, M0, Y4 **3**	**9.00**	D0, M3, Y3 **3**	**9.00**	D1, M6, Y4 **5**	**15.00**	D0, M0, Y0 **0**	**0.00**	D2, M4, Y3 **5**	**15.00**
TOTAL				108.00		72.00		75.00		80.00		75.00		116.00
NORMALIZED out of		**15**		**13.97**		**9.31**		**9.70**		**10.34**		**9.70**		**15.00**