



CITY OF VANCOUVER

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ADMINISTRATIVE REPORT

Report Date: July 15, 2008
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Meeting Date: July 24, 2008

TO: Standing Committee on City Services and Budgets

FROM: General Manager of Financial Services/Director of Finance

SUBJECT: Annual Capital Program/Project Status Review as of March 31, 2008

RECOMMENDATION

THAT the Annual Capital Program/Project Status Review Report be received for information.

COUNCIL POLICY

Council plans its capital expenditures over a three-year horizon to ensure orderly maintenance, replacement, upgrading, and expansion of civic infrastructure and facilities over their life expectancies, and to ensure that the financial implications can be managed within the fiscal constraints faced by the City.

The three-year Capital Plans and associated financing strategies are developed to match the term of Council and to allow for a borrowing plebiscite to be held in conjunction with the civic election. Sections 236 and 242 of the Vancouver Charter give Council the authority to approve borrowing authority for water and sewer capital expenditures without reference to the electors. Section 245 requires that borrowing authority for other capital expenditures be approved by a majority of the electorate through a borrowing plebiscite.

Sewer and water capital expenditures are financed from borrowed funds. Other capital expenditures are funded through the inclusion of Debenture related costs and Capital From Revenue in the annual Operating Budget; Development Cost Levies (DCLs); Community Amenity Contributions (CACs); contributions from senior government or crown agency funding

programs, partnership funding from community organizations, and developer and property owner funding; reserves; and internal financing.

The Capital Plan provides the framework that guides the development of annual Capital Budgets. Specific capital programs/projects to be carried out each year and funding allocations are approved through the annual Basic and Supplementary Capital Budget processes and/or by separate reports to Council.

Council authority is required for capital account closeouts with variances exceeding 15% and \$50,000 of the approved budget, as well as capital reallocations exceeding \$50,000. General Manager's authority is required for capital reallocations up to \$50,000.

In June 2006, Council adopted a policy that staff report annually on the status of all ongoing capital programs/projects.

PURPOSE

This report provides a summary of the status of all civic capital programs/projects, encompassing all funding sources identified in the previous section, in the area of public works infrastructure, utilities, civic facilities, and other initiatives that were ongoing as of March 31, 2008.

BACKGROUND

There are currently two Capital Plans that contain programs/projects that were ongoing as of March 31, 2008: i) 2003-2005 Capital Plan and ii) 2006-2008 Capital Plan.

The 2003-2005 Capital Plan provided a total of \$286.62 million. Including external contributions, and projects funded from reserves and internal financing totalling \$186.28 million, gross capital would be \$472.9 million.

The revised 2006-2008 Capital Plan provided a total of \$397.8 million. Including external contributions, and projects funded from reserves and internal financing totalling \$401.4 million, gross capital would be \$799.16 million.

Throughout the course of the three-year Capital Plans, special projects could be brought forward for Council approval outside of the Capital Plan/Budget processes and funding envelope. The status of those projects that were ongoing as of March 31, 2008 has been incorporated herein.

During the 2008 Basic Capital Budget process, completed capital programs/projects totalling \$82.01 million were identified in the 2003-2005 and 2006-2008 Capital Plans for closeout. Explanations for variances exceeding 15% and \$50,000 of the approved budget, as well as capital reallocations exceeding \$50,000, were approved by Council as part of the Basic Capital Budget reports (RTS#7330, 7204 and 7402).

DISCUSSION

Capital Program/Project Summary (March 31, 2008)

As of March 31, 2008, capital programs/projects with gross budgets totalling \$720.66 million were ongoing, of which \$204.91 million was from the period between 2003 and 2005 and \$515.75 million was from 2006 and 2007. These capital programs/projects encompass Public Works and Utilities, Parks and Recreation, Community Legacy Projects, Public Safety, Community Services, and Other Capital Programs/Projects.

Table #1 summarizes the planned capital expenditures (\$million's) of ongoing and completed capital programs/projects by responsible departments as of March 31, 2008, from the periods 2003 to 2005 and 2006 to 2007.

Table #1

Departments	2003-2005				2006-2007				Total
	Planned	Ongoing	Completed		Planned	Ongoing	Completed	Ongoing	
Engineering	277.58	82.98	197.26	71%	229.82	229.82	-	-	312.80
Parks & Recreation	55.30	20.92	34.38	62%	40.98	36.14	1.64	4%	57.06
Community Legacy Projects	-	-	-	-	71.30	71.30	-	-	71.30
Public Safety	11.30	9.87	1.43	10%	30.29	30.29	-	-	40.16
Community Services	56.34	45.02	11.32	22%	68.52	64.35	3.41	5%	109.37
Other Capital	72.38	46.12	26.26	36%	84.74	83.85	0.89	1%	129.97
Total	472.90	204.91	270.65	57%	525.65	515.75	5.94	1%	720.66

Table #2 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) of the ongoing capital programs/projects by responsible departments as of March 31, 2008. Further details are presented in Appendix 1.

Table #2

Program	Planned	Actual	Unspent Balance	Projected Variance*	
Engineering	312.80	168.07	144.73	(5.04)	(1.6%)
Parks & Recreation	57.06	39.35	17.71	-	-
Community Legacy Projects	71.30	66.43	4.87	-	-
Public Safety	40.16	2.98	37.18	-	-
Community Services	109.37	47.44	61.93	-	-
Other Capital	129.97	88.32	41.65	0.9	0.6%
Total	720.66	412.59	308.07	(4.14)	Balanced

*Projected variance is estimated for major programs/projects¹ approved by Council.

Based on current information, departments/Boards have projected an over-expenditure of \$4.14 million (0.6%). Given the magnitude of the open capital programs/projects, staff conclude that the overall capital program has a balanced position. These variance projections do not include those projects that have been deferred, and/or projects for which additional funding has been contemplated in the 2009-2011 Capital Plan. In the appendices, explanations are provided for projected variances that exceed 15% and \$100,000 of the approved budget. Depending on the nature and timeline of the programs/projects, staff may report back to Council in the fall of 2008 or during the year-end closeout process to seek

¹ Major programs/projects are those with planned expenditures in excess of \$300,000.

authorization to re-allocate capital over \$50,000. Further details are presented in the *Discussion - Key Challenges* section.

For major capital programs/projects, details regarding program objectives, planned vs. actual expenditures, projected variances, timelines, and major milestones are presented in the following appendices:

- Appendix 2 - Public Works, Utilities, and Other Engineering Projects
- Appendix 3 - Parks and Recreation
- Appendix 4 - Community Legacy Projects
- Appendix 5 - Public Safety
- Appendix 6 - Community Services
- Appendix 7 - Library Facilities
- Appendix 8 - Information Technology Maintenance and Expansion
- Appendix 9 - Civic Facilities Maintenance and Upgrades
- Appendix 10 - Access Vancouver
- Appendix 11 - Other Capital Projects

Actual status is based on the following project status criteria:

- On Schedule: Programs/projects with no anticipated delay
- Extended: Programs/projects that are anticipated to run at least three months behind schedule
- Reset: Program/project schedules revised to reflect changes in priorities, scope, and funding requirements
- Pending: Programs/projects for which schedules cannot be established due to uncertainties in scope, funding, and other aspects that are beyond staff control

I. Key Challenges

1) Cost Escalation and Scope Refinement

Consistent with the last couple of years, escalation of labor and material costs at an estimated rate of up to 1% per month continues to be a predominant theme for construction-related capital programs/projects, especially for those that involve work by outside contractors. Where City work forces are involved (primarily public works projects), inflation has not been as significant a cost driver compared to those projects involving outside contractors who are operating in a very active construction market. The degree of risk varies with the timeline and value of the particular capital work. Projects that require tendering are affected the most. Where contracts have already been tendered and executed, risks are limited to changes in scope and/or timeline.

The following are examples of capital projects that have been affected by cost escalation for which additional funding has been approved since the last Capital Program/Project Status Update Report:

- Cambie Street Restoration
- Central Valley Greenway
- Granville Street Reconstruction
- Community Legacy Projects

- Relocation of Dog Squad Offices and Kennel

Pending final approval of the project scope and/or implementation timeline, capital projects that are currently on hold (e.g., Burrard Bridge, Firehall #15) will likely be affected by further cost escalation through completion. To address this, the 2009-2011 Capital Plan has contemplated general inflation adjustments of \$3.5 million as well as project-specific inflationary adjustments where appropriate.

Further project details are presented in Section III, *Capital Status - by Program/Project Area*.

2) Capital Program/Project Delay

Capital programs/projects are often delayed for a combination of reasons including, but not limited to, the following:

- Extensive public consultation process which may trigger a change in project scope and/or implementation timeline
- Extensive consultation and/or negotiation with other levels of government
- Pending recoveries from external agencies
- Extensive cross-departmental consultation and coordination
- Changes in corporate/departmental priorities which may result in reallocation of staffing resources and/or a change in implementation timeline

In addition, the 2007 work stoppage resulted in further delays in many capital programs/projects, ranging from a couple of months to a year, depending on the seasonality of work involved. As part of the 2008 Basic Capital Budget process, projects and resources have been reprioritized and realigned to meet operational requirements.

II. Capital Budget Management Initiatives

1) Infrastructure Management Strategy (IMS) Program

Implementation of the Infrastructure Management Strategy, which involves the integration of Autodesk/Hansen with SAP Investment Management (IM) and Project Systems (PS) and other relevant applications, is progressing as planned. Target completion is summer of 2010.

Also included in the IMS is the implementation of SAP Performance Management (Business Intelligence "BI") and Public Sector Accounting Board (PSAB) Section 3150 - Tangible Capital Assets. BI, which is scheduled to commence shortly, will enable robust reporting on strategic performance information from various applications. PSAB Section 3150, which is expected to be completed by end of 2009, will support lifecycle asset management decisions encompassing renewal and replacement.

Upon completion, the IMS will enable effective and efficient asset management, resource planning and allocation, and budget management and reporting. Further details on project status are provided in Appendix 8.

2) Performance Management & Reporting

Engineering Services, in consultation with Corporate Budget Services, is in the process of developing key performance indicators (KPIs) for major infrastructure programs/projects.

The KPIs will be refined over time to ensure applicability and currency, will guide the ongoing evaluation and benchmarking of program effectiveness, efficiency, and sustainability, and will promote accountability and stewardship.

Upon completion, this initiative will be expanded to other non-infrastructure programs/projects at a later stage.

3) Information Technology (IT) Project Management Office (PMO)

Major ongoing initiatives include: 1) PMO website that enables sharing of project management methodologies and templates; 2) "TenStep" project management methodology that ensures consistency while allowing flexibility in managing IT projects of various sizes and complexity; 3) project management training; 4) Major IT Project Portfolio that facilitates prioritization and tracking; and 5) Major IT Projects Committee that meets regularly and reports to the Business Applications Committee (BAC).

The next phase is to expand the application of the project management methodology and knowledge base beyond IT projects. This will be done in consultation with various service groups across the City.

III. Capital Status - by Program/Project Area

1) Public Works, Utilities, and Other Engineering Programs/Projects

Table #3 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) for the ongoing Public Works and Utilities programs/projects, as well as other Engineering projects that are funded outside of the Capital Plan as of March 31, 2008. For major programs/projects, further details on program objectives, project-level budgets, projected variances, timelines, and major milestones are presented in Appendix 2.

Table #3

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix 2
Streets	137.50	43.98	93.52	(1.34)	1%	Pg. 1-12
Communications	1.58	1.07	0.51	-	-	Pg. 13
Street Lighting	3.56	2.22	1.34	-	-	Pg. 13
Sewers and Drainage	60.23	47.64	12.59	-	-	Pg. 14-17
Waterworks	35.76	29.19	6.57	-	-	Pg. 18-20
Yards Improvement	4.24	2.64	1.60	-	-	Pg. 21
Other Engineering Projects	69.93	41.33	28.60	(3.70)	(5%)	Pg. 22-23
Total Engineering	312.80	168.07	144.73	(5.04)	(1.6%)	

*Projected variance is estimated for major programs/projects approved by Council.

Program highlights are as follows:

Streets

As noted in the 2008 Basic Capital Budget Report, the current construction climate has resulted in unprecedented cost escalation and, therefore, budget challenges within the Streets Capital program. To address the funding shortfall and/or detailed design scoping challenges, Engineering Services has reprioritized their work plan within the Streets & Bridge Infrastructure, Pedestrian & Cycling Facilities, Transit & Safety Improvements, and Local Area Improvements Programs to accommodate priority projects, with the focus on

project scheduling, staffing capacity, and available funding from existing Capital, closeouts, and carry-forwards. As a result, as part of the 2008 Capital Budget process, Council approved a number of Capital funding reallocations and contributions² among various Streets programs totalling \$9.8 million.

Major projects include:

Cambie Street Restoration (\$12.0 million) - This project involves rehabilitation of Cambie Street following Canada Line construction in coordination with a variety of enhancements in public realm, accessibility amenities, bicycle facilities, and pedestrian and vehicle safety measures. Construction is underway. Target completion is November 2009. Including 2008 Basic Capital Budget and potential external funding totalling \$4.45 million, the total project budget is \$16.85 million. In addition, \$4.0 million in beautification work is proposed, subject to the City receiving a \$2.0 million Local Motion grant from the provincial government to supplement City's capital contribution of \$2.0 million.

Granville Mall Reconstruction (\$11.0 million) - This project involves reconstruction of sidewalks and roadways to enhance transit and pedestrian movement, revitalization of streetscapes, and provision of civic event space in the downtown core. Final design was approved in May 2008. Construction procurement has commenced, followed by a report back on award of contract, construction strategy, schedule, detailed costing, and final funding strategies in the fall of 2008. Target completion is November 2009. Including 2008 Basic Capital Budget and potential external funding totalling \$10.4 million, the total project budget is \$20.8 million.

DHR Track Infrastructure Upgrades (\$9.5 million) - This project involves replacement of the single-track infrastructure between Granville Island and the 2nd Avenue Canada Line Station to support the Downtown Heritage Railway and a modern demonstration streetcar, and to safeguard the streetcar alignment during the 1st Avenue reconstruction. Detailed design is underway and construction tender will commence in the fall of 2008, to be followed by award of contract and construction. Target completion is December 2009.

Burrard Bridge Sidewalk Widening and Railing Replacement (\$14.37 million) - In April 2008, staff provided an update to Council on the design options and cost estimates of up to \$57.0 million in 2009\$ (or \$63.0 million in 2010\$). To augment current unspent funding of \$13.00 million, the 2009-2011 Capital Plan contemplates additional funding of \$20.0 million. There are two options to address the funding gap: 1) Pursue senior government cost-sharing and/or other funding sources; 2) Limit program scope within available funding.

Urban Transportation Showcase (\$15.38 million) - This project includes three sub-projects:

- Main Street Showcase (\$5.71 million)
Construction is complete and will be followed by installation of street furniture, transit signal priority, street pavement markings, bicycle stencils, public art, and electronic customer information signs. Target completion is December 2008.

² As the Streets Major Projects cover a wide range of roadway and sidewalk reconstruction as well as enhancements to transit and pedestrian movement, funding contributions are provided from related programs.

- Central Valley Greenway (\$6.77 million)
This project is part of the regional greenway/bikeway which provides residents of Metro Vancouver with a virtually flat, continuous 25 kilometre route linking key residential, employment, shopping areas, schools, and post-secondary institutions in Vancouver, Burnaby, and New Westminster. The project is being constructed in partnership with TransLink and Transport Canada, and has been sub-divided into 3 sections: Section 1: Science World to Clark Drive; Section 2: Clark Drive to Commercial Drive; and Section 3: Slocan Street to Boundary Road. Project scope and detailed design was approved in December 2005 for Section 1 and in April 2006 for Sections 2 and 3. Award of contracts for all three sections was approved in May 2008, to be followed by construction work. Target completion is December 2008. Including 2008 Basic Capital Budget and potential external funding totalling \$3.23 million, the total project budget is \$10.0 million.
- Transit Village (\$2.91 million)
This project is on hold pending discussion with Translink on scope of work in the fall of 2008.

Clark/Knight Corridor Improvements (\$11.25 million) - This project includes the following sub-projects:

- Kingsway and Knight Neighborhood Centre - *under construction*
- Clark and 6th Left Turn Bay - *complete*
- Knight & 49th Avenue Left Turn Bay - *under construction*
- Medians and Other Miscellaneous Work - *under construction*

Target completion for the above is late 2008 or early 2009.

Additional sub-projects planned for 2010 and 2011 are as follows, funding for which is contemplated in the 2009-2011 Capital Plan:

- Knight & 33rd Avenue Left Turn Bay (\$3.3 million)
- Knight & 54th Avenue - 55th Avenue Curve Straightening (\$1.2 million)

Carrall Street Greenway (\$5.22 million) - This project involves the design and reconstruction of Carrall Street that: 1) Connects Gastown, Downtown Eastside, and Chinatown and builds on the unique heritage character of these three neighbourhoods; 2) Completes the downtown recreational seawall loop by linking False Creek to Burrard Inlet; and 3) Encourages active ground floor uses and facilitates economic revitalization and community development. Detailed design was approved in July 2006. Scope of work includes utility relocation, street reconstruction, development of multi-use paths, and installation of street trees and public art. Of the five city blocks originally approved, two have been completed with one currently under construction; the two remaining blocks are scheduled for completion by the end of 2009. Construction cost escalation and recent scope changes relating to electrical work and extension of the greenway with an additional block will result in a funding shortfall of \$2.0 million. Staff are currently pursuing external funding opportunities, with alternate funding contemplated in the 2009-2011 Capital Plan.

Expo Deck - In June 2007, Council approved retention of consultants (\$0.65 million) to review the condition of the structure, recommend options for maintenance and replacement, and provide appropriate cost estimates. Council also approved a funding strategy for the Phase I replacement of the deck area south of Science World in time for the 2010 Games at an estimated cost of \$26.0 million. The conceptual design is

underway and will be reported back to Council in the summer of 2009. Due to the scope of work, outside interest to use portions of the deck area during the 2010 Games, and a limited construction window, deck replacement is likely not feasible prior to the 2010 Games. The 2009-2011 Capital Plan contemplates \$2.5 million for necessary safety improvements and opportunistic decommissioning in advance of the 2010 Games.

Waterworks

Voluntary Water Metering (\$3.2 million) - The project is on hold pending further analysis and report back to Council in January 2009.

Other Engineering Projects

Major projects include:

Canada Line 2nd Avenue Station (\$29.69 million) - Construction is underway, to be followed by street restoration. Target completion is November 2009.

Landfill/Refuse Disposal (\$19.03 million) - This project is funded from the Solid Waste Capital Reserve and has five sub-projects:

- **Western 40 Hectare Berm (\$1.65 million)**
This project is on hold pending further review in early 2009. Target completion is the fall of 2009.
- **Phase 1 Closure and Landfill Gas Collection (\$11.88 million)**
Tender for Phase 1 Closure will commence in January 2009, to be followed by construction in May 2009. Tender for Gas Collection will commence in the fall of 2008, to be followed by construction. Target completion is the spring of 2009. Detailed cost estimates will be updated and additional funding of up to \$3.7 million may be required.
- **Operational Landfill Gas Collection (\$1.28 million)**
Target completion is 2009, with no projected variance.
- **Power Line Relocation Phase (\$1.46 million)**
This project is complete, with no variance.
- **Residential Drop-off Weigh Scale (\$2.5 million)**
This project has been delayed due to scope review. Tender will commence in January 2009, to be followed by construction. Target completion is late 2009 or early 2010. Detailed cost estimates will be updated and additional funding of \$1.8 million may be required.

False Creek Neighbourhood Energy Utility (\$14.0 million) - In March 2006, Council approved the creation of the False Creek Neighbourhood Energy Utility (NEU) to provide space heating and domestic hot water services to the Southeast False Creek Official Development Plan area. Detailed design for the Community Energy Centre and Sewage Pump Station, which utilizes sewage heat recovery as the primary source of energy, is complete and was approved by the Development Permit Board in March 2008. Construction tender will commence in the summer of 2008, to be followed by award of contract and construction, and a report back on final cost estimates. Target completion is the fall of 2009.

Impound Facility Relocation (\$5.17 million) - Detailed design is complete and Development Permit application is in progress. Construction tender, contract award, and construction anticipated to commence by end of 2008.

2) Parks & Recreation

Table #4 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) of the ongoing Parks & Recreation programs/projects as of March 31, 2008. Further details on program objectives, project-level budgets, projected variances, timelines, and major milestones are presented in Appendix 3.

Table #4

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix 3
Park Development	24.26	14.79	9.47	-	-	Pg. 1-3
Land Acquisition	14.00	7.65	6.35	-	-	Pg. 1
Recreation Facilities	16.80	15.21	1.59	-	-	Pg. 4
Street Trees	0.50	0.40	0.10	-	-	Pg. 3
Debenture & Overhead Charges	1.50	1.30	0.20	-	-	
Total Parks & Recreation	57.06	39.35	17.71	-	-	

*Projected variance is estimated for major programs/projects approved by Council.

Program highlights are as follows:

Park Development

Park Enhancement (\$4.0 million budget) - Major projects include:

- Ceperley Playground/Air India Memorial in Stanley Park
- Nelson Park in West End
- Oak & West 37th Avenue
- Victoria Park in Grandview-Woodland
- Oppenheimer Park
- Tecumseh Park
- Sunset Park

The first four parks are complete. The concept plan for Oppenheimer Park has just been approved and plans for Tecumseh and Sunset Parks will be developed. Target completion for the remaining parks is December 2009.

Synthetic Turf Fields - Major projects include:

- Trillium Park Site (\$4.5 million)
The field is currently being preloaded for construction. Target completion is December 2009.
- Vancouver Technical Secondary School (\$1.5 million)
The field is complete.

Andy Livingstone Field Restoration (\$1.77 million) - Conceptual design is underway. Target completion is December 2008.

Recreational Facilities

VanDusen Garden Building Renewal - Phase 1 (\$6.8 million) - The long-term renewal plan envisions the renovation of 17,000 sq. ft. and the addition of 30,000 sq. ft. of building area to enhance customer services. Phase 1 involves the renovation of 5,800 sq. ft. and the addition of 7,000 sq. ft. of building area. An architectural consultant has been engaged to develop conceptual plans; this will be followed by construction in late 2008. Target completion is December 2010.

Including the 2008 Basic Capital Budget (\$2.8 million), contributions from the provincial government (\$2.0 million) and the VanDusen Botanical Garden Association (\$1.75 million) and transfers, the total project funding to date is \$6.8 million. The 2009-2011 Capital Plan contemplates additional funding towards the long-term renewal plan.

Sunset Community Centre (\$11.69 million) - This project is complete and the Centre is now open to the public.

3) Community Legacy Projects

Table #5 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) of the ongoing Community Legacy projects as of March 31, 2008. Further details on project objectives, budgets, projected variances, timelines, and major milestones are presented in Appendix 4.

Table #5

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix 4
Community Ice Rinks -						
Killarney	14.70	14.38	0.32	-	-	Pg. 1
Trout Lake	15.94	15.45	0.49	-	-	Pg. 1
Hillcrest Curling Venue	8.80	8.80	-	-	-	Pg. 1
Percy Norman Aquatic Centre	31.86	27.80	4.06	-	-	Pg. 1
Total Community Legacy	71.30	66.43	4.87	-	-	

*Calculation is based on overall project budget.

The original 2006-2008 Capital Plan provided \$35.0 million for the City's share of funding for Community Legacy projects which include the replacement of ice rinks at Killarney and Trout Lake and construction of a new Percy Norman Aquatic Centre as part of the Hillcrest Legacy Facility being constructed by the Vancouver Organizing Committee (VANOC). VANOC contributed \$5.0 million toward the two ice rinks, and \$28.0 million toward the Hillcrest Legacy Facility and \$10.0 million for its post-Olympic conversion (\$10.0 million in 2007\$ plus \$2.35 million in interest to be earned during the construction period would provide an estimated \$12.35 million in 2010\$). With VANOC's \$10.0 million contribution, Council has committed to fund the conversion of the Legacy Facility to its final configuration and additional funding is contemplated in the 2009-2011 Capital Plan.

Since inception, cost escalation and scope refinement has resulted in an increase of \$31.22 million in the overall budget for these facilities. These impacts were reported to Council in the fall of 2006 and again in the summer of 2007. To address the funding shortfall, Council has approved capital funding reallocations of \$2.7 million, an inflation adjustment provision of \$2.0 million, interim financing from the Capital Financing Fund of \$21.76 million, and an advance from the Legacy Facility Conversion Fund of \$4.76

million. In addition, Council has approved additional Development Cost Levies of \$1.36 million to fund park development associated with the Community Legacy projects.

All three projects are progressing as planned. Given the magnitude, complexity, and time sensitivity of the projects, Park Board is currently fine-tuning the scope of work and construction timeline and will report back to Council on final cost estimates and financing strategies where appropriate.

4) Public Safety

Table #6 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) for the ongoing Public Safety programs as of March 31, 2008. Further details on project objectives, budgets, projected variances, timelines, and major milestones are presented in Appendix 5.

Table #6

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix 5
Firehalls	9.35	0.73	8.63	-	-	Pg. 1
Police Facilities	30.81	2.25	28.55	-	-	Pg. 2
Total Public Safety	40.16	2.98	37.18	-	-	

*Projected variance is estimated for major programs/projects approved by Council.

Program highlights are as follow:

Firehalls

Firehall #15 Replacement - Council approved an overall project budget of \$8.41 million. This project has been on hold pending Council decision on how to proceed with the replacement. It is likely that there will be further cost escalation as a result of the delay. At this point, final cost estimates cannot be determined until Council approves the scope. As a result of deteriorating conditions at Firehall #15, staff are being relocated to a temporary firehall site by the end of 2008.

Police Facilities

Dog Squad Relocation - Council approved an overall project budget of \$3.4 million. The current project estimate has increased by \$0.4 million due to cost escalation and unanticipated soil remediation work. In July 2008, Council approved funding the shortfall from the Cost Escalation Fund. Detailed design is finalized and environment assessment is 80% complete. Outstanding work includes construction and relocation to the new site. Target completion is December 2009.

Force Options Training Centre Development - Council approved an overall project budget of \$26.0 million. Detailed design has been finalized, the construction contract has been awarded, and construction commenced in June 2008. Target completion is the fall of 2009.

5) Community Services

Table #7 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) for the ongoing Community Services programs/projects as of March 31, 2008. For major programs/projects, further details on program objectives, project-level budgets, projected variances, timelines, and major milestones are presented in Appendix 6.

Table #7

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix 6
Affordable Housing (excl. Woodward's)	2.09	0.06	2.03	-	-	Pg. 1
Non-market Housing	0.11	0.01	0.10	-	-	-
Childcare Facilities (excl. Woodward's and #1 Kingsway)	4.35	0.21	4.14	-	-	Pg. 2
Other Social and Cultural Facilities	1.26	1.00	0.26	-	-	Pg. 3
Capital Grants Program	0.51	0.05	0.46	-	-	Pg. 3
Public Arts Program	1.25	0.52	0.73	-	-	Pg. 4
Downtown Eastside Revitalization Program	3.53	0.92	2.61	-	-	Pg. 5
Heritage Façade Rehabilitation Grants	1.80	-	1.80	-	-	Pg. 6
Cultural Precinct Phase 1 Planning/Civic Theatres Upgrades	61.95	26.68	35.27	-	-	Pg. 6
Cultural Re-investment/Olympic Legacy Fund	1.00	0.04	0.96	-	-	Pg. 7
Other Community Services Projects	31.52	17.95	13.57	-	-	Pg. 8
Total Community Services	109.37	47.44	61.93	-	-	

*Projected variance is estimated for major programs/projects approved by Council.

Program highlights are as follows:

Affordable Housing

Funding for the Passlin Hotel Project (\$0.72 million) was released in April 2008 as per the Council-approved Housing Agreement.

Subject to Council approval, unallocated capital of \$1.14 million has been earmarked for upgrades to SROs purchased by the provincial government (\$0.65 million) and repairs to the Stanley/New Fountain Hotel (\$0.4 million).

Childcare Facilities

Learning Tree/Playhouse (\$1.2 million) - The conceptual design for a consolidated facility will require \$5.2 million. Given the financial constraints, the original project has been downsized. In March 2008, Council approved a grant of \$595,000 to rebuild the existing modular building at the Learning Tree Day Care. Staff will report back to Council before the end of 2008 on allocation of the remaining funding to other priority childcare projects.

City Gate II (\$0.5 million) - The project is awaiting the successful appointment of an operator for the infant/toddler spaces. The original design was based on an infant/toddler program but significant difficulties have been encountered in attracting an operator due to high operating costs for this type of care and uncertainty about provincial childcare operating funding. Additional funding of \$530,000 has been reserved in the 2006 Capital Budget subject to report back to Council. An alternative design may be necessary if an operator for the 24 infant/toddler spaces cannot be secured. Staff will report back to Council on the design cost estimates and the operator appointment in the

fall of 2008.

Unallocated capital of \$1.8 million represents funding reserved for the City Gate II, Downtown South, and Kits Montessori projects; funding allocation is subject to staff report back to Council on project details and costs.

Other Social and Cultural Facilities

Vancouver East Cultural Centre - Council has approved two "challenge" grants totalling \$1.5 million to date to enable completion of the Phase I construction and to leverage the balance of funds from senior governments and the private sector to complete the entire project. Funds have been released with the exception of \$150,000 (10%) holdback, subject to fulfillment of terms and conditions.

Downtown Eastside (DTES) Commercial Revitalization Program

DTES Commercial Revitalization Program (\$0.29 million) - Council direction is being sought on the effectiveness of the DTES commercial revitalization initiatives undertaken by the Building Opportunities with Business Inner City Society (BOB), and whether the City should contribute to BOB in the form of a grant to support their initiatives. It is anticipated that the City's contribution will be considerably leveraged by investments, loans, and donations from senior governments, private financial institutions, foundations, and private businesses. Including \$0.21 million from the 2008 Basic Capital Budget, the total program funding will be \$0.5 million.

Chinatown Society Buildings Planning Grant Program (\$0.4 million) - In February 2008, Council approved the Chinatown Society Buildings Rehabilitation Strategy which includes the grants program that provides financial assistance to Societies for the preparation of rehabilitation plans for their heritage buildings. Including \$0.1 million from the 2008 Basic Capital Budget, the total program funding will be \$0.5 million.

Pennsylvania Hotel (\$0.45 million) - Construction is underway to rehabilitate this heritage SRO building. Release of the grant is subject to execution of legal documents with other funding partners. Target completion is the summer of 2009.

W.I.S.H. Wellness Centre (\$0.55 million) - In June 2005, Council approved \$0.25 million for renovations of the W.I.S.H. Wellness Centre. In May 2007, Council approved \$0.30 million to fund the temporary relocation of a portion of the Police evidence warehouse to the old jail to advance the establishment of the W.I.S.H. Wellness Centre. Target completion is set for the fall of 2008.

Heritage Façade Rehabilitation Grants

\$1.44 million has been approved to assist heritage building owners to rehabilitate building facades. These projects are at various stages, from development and building permit application to conservation work. Funds will be released upon receipt of proof of expenditures. Unallocated funding of \$0.37 million will be applied toward other applications that are currently under review, subject to Council approval.

Cultural Precinct Redevelopment/Civic Theatres Upgrades

In late 2006, Council approved \$54.0 million in Civic Theatre upgrades as part of the Cultural Precinct Redevelopment Project: Queen Elizabeth Theatre Redevelopment (\$48.5 million) and Orpheum Restoration and Refurbishment (\$5.5 million).

QET Redevelopment (\$48.5 million) - This project is being carried out in two phases:

- Phase 1 - Demolition, architectural, structural, mechanical, and electrical work associated with the removal of the existing audience chamber ceiling and systems, installation of new mechanical and electrical systems, infrastructure for new theatre systems, and architectural and structural renovations, including roof truss upgrading, acoustical interventions, and new catwalks, bulkheads, and upper level finishes. Phase 1 is 85% complete.
- Phase 2 - Seating reconfiguration, acoustical interventions, new finishes, and dressing room, washroom, and lobby renovations. The construction timeline is currently under review and lead abatement work is under assessment. The requirement for lead remediation will impact the scope of work and costs and staff will report back to Council in the fall of 2008.

Target completion of the entire project is the fall of 2009.

Orpheum Restoration and Refurbishment (\$5.5 million) - This project commenced in the spring of 2008 with carpet and handrail replacement. Other work is expected to commence in the spring of 2009 and complete by winter 2009.

Orpheum Seat Refurbishment (\$0.58 million) - The original refurbishment work was not satisfactory. A consultant is currently preparing design and cost estimates for work to proceed in 2009. Detail cost estimates are expected to be finalized by the end of 2008. Additional funding may be required and approval will be sought to fund the shortfall from the Orpheum Restoration/Refurbishment Project Capital.

Other Community Services Projects

Cemetery Redevelopment (\$21.18 million) - This project includes the development of 6,200 new memorialization spaces and three new buildings—Customer Service Centre, Celebration Centre, and Operations Centre—in the following key phases:

- Buildings Redevelopment (\$10.84 million)
Construction of the first two buildings is complete and the third is near completion. Target completion is the fall of 2008.
- Phase I Landscape and Interment Improvements (\$4.14 million)
This project is substantially complete pending final landscaping and interment work. Target completion is the fall of 2008.
- Phase II Landscape and Interment Improvements (\$3.4 million)
This project is on hold pending Phase I sales results.
- Phase I Field of Honour Improvements (\$0.8 million)
Construction drawing is complete. Tender document is being finalized and will be issued in early 2009. Target completion is December 2009.
- Phase II Field of Honour Improvements (\$2.0 million)
This project is tentatively scheduled for 2010. Target completion is October 2010.

Little Mountain Neighbourhood House Redevelopment (\$5.12 million) - This project is on hold pending negotiations with BC Housing on integration into the Little Mountain Housing Redevelopment Project as an amenity contribution. Staff will report back to Council on project scope and final funding strategies in the fall of 2008.

Urban Native Youth Centre (\$2.5 million) - This project is on hold pending funding commitment from senior governments.

Hastings Park (PNE) Pacific Coliseum/Forum Rehabilitation (\$2.2 million) - In May 2007, Council approved the Pacific Coliseum and Forum buildings rehabilitation projects at Hastings Park. Major projects include:

- Replacement of the Pacific Coliseum roof
- Replacement of the Forum roof
- Upgrade of the Forum heating systems
- Upgrade of the Forum washrooms and change rooms

Work commenced in the spring of 2008 and is expected to complete by the end of 2008.

6) Other Capital Programs/Projects

Table #8 summarizes the planned vs. actual capital expenditures and projected variances (\$million's) for the ongoing Other Capital programs/projects as of March 31, 2008. For major programs/projects, further details on program objectives, project-level budgets, projected variances, timelines, and major milestones are presented in Appendices 7 to 11.

Table #8

Program	Planned	Actual	Unspent Balance	Projected Variance*		Appendix
Library Facilities	3.31	1.97	1.34	-	-	7
Information Technology	37.96	18.44	19.52	0.90	2.4%	8
Civic Facilities Maintenance and Upgrades	11.83	5.54	6.29	-	-	9
Green House Gas Reduction Program	11.96	10.89	1.07	-	-	9
Access Vancouver	21.03	6.44	14.59	-	-	10
Other Capital Projects	43.84	45.04	(1.20)	-	-	11
Inflation Adjustment and Debenture Discount	0.04	-	0.04	-	-	
Total Other Capital	129.97	88.32	41.65	0.90	0.7%	

*Projected variance is estimated for major programs/projects approved by Council.

Program highlights are as follow:

Library Facilities

DTES/Strathcona Branch Library - The 2006-2008 Capital Plan provided \$2.5 million for site acquisition and planning for the new library. A potential site was acquired in 2007 for \$1.8 million and acquisition of an additional site(s) may be required. Staff will report back on project scope and funding strategies in 2009.

Information Technology

Information Technology (IT) Infrastructure Expansion and Replacement - Major projects include:

- PC & Server Life Cycle Replacement (\$9.42 million)
- E-mail Server Replacement (\$1.12 million)
- Telecom Infrastructure Upgrades & Expansion (\$0.95 million)
- Backup Systems & Server Upgrades (\$1.05 million)
- Enterprise Systems Management (\$0.65 million)
- IT Security Enhancements (\$0.60 million)
- Data Centre Relocation & Upgrades (\$0.45 million)

Most projects are on schedule with a projected under-expenditure of \$0.90 million (2.4%) which will be dealt with in the annual closeout process, either to be allocated to other projects or transferred to an Unallocated account for future infrastructure program. The implementation timeline for Enterprise Systems Management has been extended. This project involves the development of a framework that monitors failures and capacity of core enterprise systems. Outstanding work includes business case analysis and systems solution assessment. Target completion is December 2009.

SAP Evolution - The Real Estate Module went live in July 2007. Implementation of E-Recruitment (\$0.61 million) is underway. The project charter has been finalized and a consulting resource engaged; this will be followed by systems design and configuration. Target completion is the spring of 2009.

Other System Applications

IMS Program (\$10.24 million) - The program involves four interdependent sub-projects:

- Autodesk/Hansen and Middleware Implementation (\$8.64 million)
Refinement of business requirements and validation of business processes is underway, to be followed by systems configuration and customization, data model setup, and reports development. Implementation across Engineering branches will be carried out in phases. Target completion is set for the second quarter of 2010.
- SAP IM and PS Implementation (\$1.01 million)
Systems configuration is complete and master data and planning will go live in the summer of 2008. Data clean-up and migration is underway. Target completion is the spring of 2009.
- SAP Performance Reporting (BI) Implementation (\$0.59 million)
BI (Business Intelligence) provides performance reporting that integrates Autodesk/Hansen and other relevant applications with SAP. Systems hardware is in place. The project charter will be finalized in July 2008, to be followed by business blueprinting, systems design, and configuration. Target completion is the fall of 2009.
- Tangible Asset Accounting and Reporting
The Tangible Asset Capitalization Policy is close to completion. Inventory and valuation of tangible assets is underway. Target completion is December 2009.

PRISM Replacement (\$2.71 million) - Proof of concept is complete. Assessment of systems solution is underway, to be followed by detailed project planning and implementation.

Tempest (\$2.71 million) - Implementation is complete, including integration of images with the billing system and upgrades to the current software release.

Civic Facilities Maintenance and Upgrades

Civic Facilities Maintenance (\$6.13 million) - Projects include replacement and upgrades of roofing (\$1.0 million), flooring and ceiling (\$0.7 million), mechanical/HVAC systems (\$1.0 million), elevator upgrades (\$0.4 million), and various exterior and interior repairs and rebuilds (\$1.2 million). The majority of the project timelines have been extended, primarily due to staff resourcing constraints and the 2007 work stoppage. Project priorities have been reassessed, and Requests for Proposals and contract negotiations are underway for a number of outstanding projects. The Fire Suppression System project at the 312 Main Street Police Office (\$0.45 million) has been cancelled as current funding is not sufficient to retrofit the occupied facility and provide non-water fire suppression necessary to minimize damage to stored evidence. As part of the 2008 Capital Budget process, Council approved reallocating this funding to the Rehabilitation of the VPD Cordova Annex Parkade which is deemed a higher priority.

Civic Facilities Upgrades (\$5.7 million) - Major projects include various City Hall Precinct office renovations (\$2.1 million), relocation of the IT Server Room at E-COMM (\$0.9 million) and the non-profit capital asset maintenance (\$0.70 million). Work is underway at various stages and is expected to complete in the fall of 2008.

Green House Gas Reduction Program

This program (\$11.95 million) includes a number of capital upgrade projects that involve retrofitting of civic facilities with more energy-efficient technologies in support of greenhouse gas (GHG) reduction. Implementation of the Energy Performance Contract Phase 1 at City Hall is complete and implementation of Phase 2 at Park Board facilities is underway. In July 2008, Council approved additional GHG reduction and energy efficiency initiatives which will commence later in the year at Library Square and various cultural facilities. Most projects are on schedule with no projected variances.

Access Vancouver

The program includes three sub-projects:

- 311 Citizen Service Centre (\$12.3 million)
Construction of the 311 Citizen Service Centre is underway and configuration of the Citizen Relationship and Knowledge Management Software is progressing as planned; these will be followed by staff recruitment and training. The Centre will go live in phases: Phase 1 - pilot (January 2009); Phase 2 - available to the public (June 2009); and Phase 3 - enhancements (June 2010).
- Electronic Records and Document Management System (\$1.71 million)
A contract has been awarded and a detailed implementation schedule is being finalized. This will be followed by pilot and enterprise rollouts in phases between 2009 and 2011. Including additional interim funding of \$1.1 million approved by Council in April 2008, the total project funding is \$2.81 million.
- Voice over Internet Protocol (\$7.03 million)
A contract has been awarded, systems design has been finalized, and core equipment purchased; these will be followed by equipment installation and testing, and enterprise rollout in phases: Phase 1 - pilot (September 2008); Phase 2 - 311 Citizen

Service Centre (November 2008); and Phase 3 - remaining sites (December 2010).

Other Capital Projects

#1 Kingsway Joint-Use Facility (\$23.95 million) - 70% of construction work is complete. Outstanding work includes equipment procurement and signage. Target completion is the spring of 2009.

Woodward's Redevelopment, including Childcare (\$16.42 million) - This project is on schedule and has the following key components:

- Civic Space (\$7.6 million)
Development of the City's 31,000 square foot airspace parcel to tenant improvement stage (by the developer) is ongoing. The City continues to expect delivery of the City space in the summer of 2009. Staff will report back to Council on project status before the end of 2008.
- Childcare (\$1.82 million)
Preliminary design is 50% complete and is expected to be finalized by the summer of 2008. Foundation work started in April 2008. Target completion is December 2009. Staff are currently refining the cost estimates and will report back to Council on final funding strategies, where appropriate, at a later stage.

CONCLUSION

The Annual Capital Program/Project Status Review Report provides a summary of Council-approved capital programs/projects that were ongoing as of March 31, 2008, with plan vs. actual variance analyses on both financial and non-financial aspects. Further details are provided in the appendices.

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ONGOING CAPITAL PROGRAMS/PROJECTS
Plan/Actual/Projected Variance

APPENDIX 1
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	Capital Programs/Projects Not Closed as of March 31, 2008			
	Budget	Actual	Balance	Projected Variance ¹
Engineering				
Streets and Bridge Infrastructure	18,819	12,194	6,625	0
Pedestrian and Cycling Facilities	17,926	6,622	11,304	0
Traffic Signals	6,223	4,587	1,636	0
Strategic Transportation	13,449	4,311	9,138	0
Local Area Traffic Plans and Other Improvements	11,172	4,393	6,779	0
Other Streets Projects	69,908	11,874	58,034	(1,342)
Streets	137,497	43,981	93,516	(1,342)
Communications	1,577	1,067	510	0
Street Lighting	3,565	2,225	1,340	0
Sewers Utility	60,231	47,639	12,592	0
Waterworks Utility	35,761	29,193	6,568	0
Engineering Work Yards Improvement	4,237	2,638	1,599	0
	242,868	126,743	116,125	(1,342)
Other Engineering Projects				
Landfill/Refuse Disposal Projects	19,030	2,655	16,375	(3,700)
Recycling Yard Improvement	850	3	847	0
Impound Facility Relocation	5,170	5,087	83	0
Parking Meter Replacement and Handheld Equipment Upgrades	1,188	910	278	0
Canada Line 2nd Avenue Station	29,696	28,970	726	0
False Creek Neighborhood Energy Utility	14,000	3,699	10,301	0
	69,934	41,324	28,610	(3,700)
Total Engineering	312,802	168,067	144,735	(5,042)
Parks and Recreation				
Parks Development	24,267	14,792	9,475	0
Land Acquisition and Park Planning	14,000	7,654	6,346	0
Recreational Facilities & Major Maintenance	16,796	15,211	1,585	0
Street Trees	500	400	100	0
Debenture and Overhead	1,500	1,297	203	0
Total Parks & Recreation	57,063	39,354	17,709	0
Community Legacy Projects				
Community Ice Rinks at Killarney & Trout Lake	30,640	29,836	804	0
Hillcrest Curling Venue	8,800	8,800	0	0
Percy Norman Aquatic Centre	31,860	27,797	4,063	0
Total for Community Legacy Projects	71,300	66,433	4,867	0
Public Safety				
Firehalls	9,353	725	8,628	0
Police Facilities	30,804	2,252	28,552	0
Total Public Safety	40,157	2,977	37,180	0
Community Services				
Affordable Housing (excluding Woodward's)	2,091	65	2,026	0
Non-market Housing	110	10	100	0
Childcare Facilities (excluding Woodward's and #1 Kingsway)	4,353	216	4,137	0
Other Social and Cultural Facilities	1,262	1,003	259	0
Capital Grants Program	505	42	463	0
Public Art Program	1,252	515	737	0
Downtown Eastside Revitalization Program	3,528	921	2,607	0
Heritage Façade Rehabilitation Grants	1,800	0	1,800	0
Cultural Precinct Redevelopment/Civic Theatre Upgrades	61,947	26,679	35,268	0

ONGOING CAPITAL PROGRAMS/PROJECTS
Plan/Actual/Projected Variance

APPENDIX 1
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	Capital Programs/Projects Not Closed as of March 31, 2008			
	Budget	Actual	Balance	Projected Variance ¹
Cultural Re-investment/Olympic Legacy Fund	1,000	38	962	0
	<u>77,848</u>	<u>29,489</u>	<u>48,359</u>	<u>0</u>
Other Community Services Projects				
Cemetery Redevelopment	21,176	15,145	6,031	0
Little Mountain Neighborhood House Redevelopment	5,115	519	4,596	0
Urban Native Youth Centre	2,500	2,005	495	0
PNE Coliseum/Forum Building Rehabilitation	2,222	0	2,222	0
Miscellaneous CSG Projects	508	277	231	0
	<u>31,521</u>	<u>17,946</u>	<u>13,575</u>	<u>0</u>
Total Community Services	109,369	47,435	61,934	0
Other Capital				
Library Facilities	3,313	1,973	1,340	0
Information Technology	37,963	18,446	19,517	904
Civic Facilities Maintenance and Upgrades	11,126	5,440	5,686	0
Non-Profit Capital Asset Management	700	98	602	0
Greenhouse Gas Reduction Program	11,955	10,886	1,069	0
Access Vancouver (311, ERDMS, VoIP)	21,031	6,438	14,593	0
Miscellaneous Projects	3,470	3,148	322	0
Inflation Adjustment/Debenture Discount (see comment)	37	0	37	0
	<u>89,595</u>	<u>46,429</u>	<u>43,166</u>	<u>904</u>
Other Capital Projects				
#1 Kingsway Joint-Use Facility (net of recoveries from PEF)	23,954	27,166	(3,212)	0
Woodward Redevelopment (including Affordable Housing and Childcare)	16,420	14,729	1,691	0
	<u>40,374</u>	<u>41,895</u>	<u>(1,521)</u>	<u>0</u>
Total Other Capital	129,969	88,324	41,645	904
TOTAL CAPITAL NOT CLOSED AS OF MARCH 31, 2008	720,660	412,590	308,070	(4,138)

¹ Except where otherwise noted, all budgets are balanced (i.e., no projected variance upon completion) at a program level. Within a program, individual projects that currently have a projected variance will be addressed in the annual closeout or through reprioritization within the program.

PROGRAM: STREETS AND BRIDGE INFRASTRUCTURE

SUB-PROGRAM: Arterial Reconstruction - Major Road Network (MRN) and Non-MRN

OBJECTIVES: Reconstruction or rehabilitation of deteriorated arterial street network pavements to extend the life of the street asset and reduce overall lifecycle costs. Arterial streets carry large numbers of vehicles. Improving these roadways provides safer driving conditions for all road users.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
MRN Rehabilitation Program	\$8,500	\$1,806	\$0	,	,			Planned projects: Clark Railway Overpass, Oak to Granville
- Broadway Corridor	\$3,000	(\$115)	(\$120)	,	Oct, 08	Extended	Road repaving, bus slab installation, curb and gutter, and sidewalk renewal completed.	Traffic camera installation to be completed by 2008 y/e. Projected shortfall due to unfavorable site conditions: soil, paving and trees.
- W Broadway Paving	\$1,000	\$841	\$0	,	,	On Schedule	80% completed.	
- Clark/Knight, Broadway to Kingsway	\$900	\$6	\$0	,	,		Completed.	
- 41st Ave, Larch to Marine	\$1,200	(\$116)	\$0	,	,		Completed.	
- E Hastings, Renfrew to Cassiar	\$595	\$205	\$0	,	May, 08	On Schedule		To be completed by May 2008.
Non-MRN Rehabilitation Program	\$7,908	\$3,372	\$0	,	Dec, 08			Planned projects: 49 th , Mackenzie to W Boulevard; Beach Ave; Victoria, 3 rd to Broadway; 12 th , Granville to MacDonald
- Main St Showcase	\$2,100	\$133	\$0	,	,		Completed.	
- Robson, Denman to Hornby	\$515	(\$3)	\$0	,	,		Completed.	

SUB-PROGRAM: Peat Street Reconstruction

OBJECTIVES: Reconstruction of deteriorated streets and lanes located over old peat bog areas or in areas prone to extreme pavement settling due to soil/ground conditions which may present safety concerns for road users.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Local Street Reconstruction	\$850	\$655	\$0	,	Sep, 09	Pending	Completed projects: 6 th Ave, Macdonald to Trafalgar; 11 th Ave, Clark to Commercial; Carolina, 16 th to 17 th Ave	Planned projects: 700 E 20 th ; 400-500 E 17 th

PROGRAM: STREETS AND BRIDGE INFRASTRUCTURE (CONT'D)

SUB-PROGRAM: Major Maintenance - City Bridges

OBJECTIVES: Maintenance of the City's bridges and other major structures to keep them safe.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Major Maintenance-Bridges	\$435	\$283	\$0	,	,	Pending		Planned Projects: Asset Management (\$40K); Granville (\$53K); Cambie (\$12K); Waterfront (\$5K); Paint Trial (\$15K). (Note: \$650K to be c/f from 2003-05.)

SUB-PROGRAM: Non-arterial Street and Lane Reconstruction

OBJECTIVES: Reconstruction or rehabilitation of deteriorated non-arterial streets and lanes that have surpassed their optimal replacement life to reduce long-term life cycle costs.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Reconstruction of Residential Streets	\$300	\$300	\$0	,	Dec, 08	On Schedule		Planned projects: 10 th Ave, Oak to Heather; Parker.

SUB-PROGRAM: Rehabilitation Work Complementing Cut Restoration and Development

OBJECTIVES: Reconstruction of portions of deteriorated local streets and sidewalks where the majority of the street and/or sidewalk is being replaced as a result of utility cuts and developments.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Rehabilitation & Cut Restoration	\$610	\$297	\$0	,	,	Extended	Completed projects: 535 Smithe; Napier, Rupert to Cassiar.	Various development cost-shared projects as required.

PROGRAM: PEDESTRIAN AND CYCLING FACILITIES

POLICIES: The Vancouver Transportation Plan (1997) set out the priorities for pedestrians, bikes and transit while recognizing a need to improve goods movement and safety in existing corridors. After maintenance requirements, priority projects include new sidewalks and pedestrian traffic signals.

The Clouds of Change Report (1990), CityPlan (1995), the Vancouver Greenways Plan (1995), the Bicycle Plan (1999), and the Downtown Transportation Plan (2002) establish City policy prioritizing pedestrians and promoting and encouraging cycling as a transportation alternative; and provide directions for improving transit and providing connections to walking and biking facilities. Greenways also address the growing needs of communities to have a voice in the design and use of the urban landscape.

SUB-PROGRAM: New Sidewalks

OBJECTIVES: Construction of sidewalks on arterial streets and pedestrian collector routes, and local improvement sidewalks in residential areas as requested by petitions or on City initiative.

The City has a policy to establish and maintain a sidewalk network which includes sidewalks on both sides of all blocks; establish priorities for completion of the sidewalk network based on sidewalk classifications which include transit, pedestrian collector, higher zoned, and local residential routes; and expedite completion of sidewalks on all transit routes by 2007 and on all arterial streets by 2009.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
New Sidewalks Program	\$3,300	\$2,959	\$0	,	Dec, 08	Extended	Completed projects: Kaslo, 22 nd to 24 th ; 47 th , Lanark to Argyle; Nootka, 8 th to Broadway.	Work in progress: 2006 planned projects. (Note: \$990k set aside to fund 2003-05 deficit.)

SUB-PROGRAM: Sidewalk Reconstruction

OBJECTIVES: Repair or replacement of deteriorated sidewalks in commercial and residential areas with high levels of pedestrian activity.

The Local Improvement Process will remain as a mechanism for property owners to help fund petitioned projects which are not identified as Council priorities.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Sidewalk Reconstruction Program	\$3,875	\$1,254	\$0	,	Sep, 08	On Schedule		Planned projects: Davie St Work in progress: W Broadway
- W Broadway Sidewalks	\$1,500	\$468	\$0	,	Sep, 08	On Schedule		Work in progress; to be completed by Sept 2008.

PROGRAM: PEDESTRIAN AND CYCLING FACILITIES (CONT'D)

SUB-PROGRAM: Curb Ramp

OBJECTIVES: Construction of curb ramps at street and lane intersections to provide accessible access to the sidewalks for all pedestrians including persons with disabilities, persons who use mobility aids, and persons with strollers and shopping trolleys.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Curb Ramp Program	\$1,346	(\$36)	\$0	,	,		2006 and 2007 programs completed.	

SUB-PROGRAM: Bicycle Network

OBJECTIVES: Development and construction of new bicycle facilities to provide a safe and convenient cycling environment for commuter and recreational cyclists.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Bicycle Network Program	\$5,120	\$4,700	\$0	,	,			(Note: \$218K to be c/f from 2003-05 - Nicola Bikeway (\$77K) - General (\$141K))
- Balaclava Bikeway	\$630	\$622	\$0	,	Nov, 09	On Schedule	Public consultation and design completed.	Construction underway.
- Cambie Bikeway	\$383	\$383	\$0	,	Oct, 08	On Schedule		Construction as part of the Cambie St Reconstruction Project.
- Heather Bikeway Extension	\$705	\$693	\$0	,	Nov, 08	On Schedule		Construction underway.
- Kent Avenue Bikeway	\$300	\$300	\$0	,	,	Pending		Project on hold pending planning and consultation with TransLink.
- Yukon Bike Route	\$476	\$474	\$0	,	Dec, 08	On Schedule		Construction underway.

PROGRAM: PEDESTRIAN AND CYCLING FACILITIES (CONT'D)

SUB-PROGRAM: Beautification and Street Trees

OBJECTIVES: Beautification of commercial and residential areas through the Visioning Process or the Local Improvement Process to improve public realm.

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Beautification & Street Trees	\$650	\$419	\$0	,	,	Pending		Norquay Village Neighborhood Centre beautification on hold pending public consultation. Construction to be completed after the 2010 Games.

SUB-PROGRAM: Greenways

OBJECTIVES: Development of city-wide and neighborhood greenways.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Greenways Program	\$3,469	\$1,679	\$0	,	,			
- Ridgeway West Extension	\$946	\$946	\$0	,	Apr, 09	On Schedule		Design underway. Construction to commence in Fall 2008 and completion by Apr 2009.
- Tupper Neighborhood Greenway	\$305	(\$90)	\$0	,	,		Completed.	

PROGRAM: TRAFFIC SIGNALS

SUB-PROGRAM: Signal Construction - New

OBJECTIVES: Installation of new pedestrian or vehicular signal controls at appropriate locations based on detailed studies that consider pedestrians, cyclists, transit vehicles, trucks, and automobiles.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
New Pedestrian & Vehicular Signal Program	\$2,722	\$717	\$0	,	Nov, 09	On Schedule	2006 program completed: 17 pedestrian controlled signals; 3 fully actuated traffic signals.	2007 planned program: 8 signal installations underway; 3 locations not yet started. 2008 program details reported to Council in May 2008. Work to commence.

SUB-PROGRAM: Signal Construction - Modification

OBJECTIVES: Modification or retrofit existing pedestrian and vehicular signal controls to meet operational demands of the street network.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Modify Existing Signals	\$730	\$190	\$0	,	Nov, 09	On Schedule	2006 program completed: various audible signals; pedestrian indicators; left-turn signals; traffic cameras; and modifications to the City's inventory of traffic signals to enhance service level to road users at signalized intersections.	2007 planned program underway: traffic camera installations; pedestrian push button; and automatic traffic counting system.

SUB-PROGRAM: Signal Construction - Replacement

OBJECTIVES: Systematic renovation and replacement of aging signal plant to reduce repair and maintenance costs.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Replace Aging Signal Plant	\$1,670	\$482	\$0	,	Nov, 09	On Schedule	2006 program completed.	Projects underway: 7 intersection rebuilds Planned projects: conflict monitors; racks and loop amplifiers; 5 intersection rebuilds.

PROGRAM: STRATEGIC TRANSPORTATION

POLICIES: The Vancouver Transportation Plan (1997) set out the priorities for pedestrians, bikes and transit while recognizing a need to improve goods movement and traffic safety in existing corridors.

SUB-PROGRAM: Arterial Improvements

OBJECTIVES: Design and construction of geometric and safety modifications at intersections and pedestrian crossings to enhance safety and access to the surrounding community. These include pedestrian bulges, medians, and other similar redesigns to help reduce pedestrians' exposure to traffic and increase visibility of pedestrians and motorists.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Arterial Improvements Program	\$12,157	\$8,950	\$0	,	,	Pending		
- Knight & 33 rd Ave Left Turn Bay	\$2,400	\$2,400	\$0	,	Oct, 10	Pending	Public consultation completed.	Delayed due to 2007 Work Stoppage and property acquisition.
- Knight & 54 th -55 th Ave Curve Straightening	\$900	\$900	\$0	,	Oct, 10	Pending		Delayed due to 2007 Work Stoppage and property acquisition.
- W Broadway Bus Bulges	\$1,150	\$1,150	\$0	,	Oct, 08	On Schedule	Public consultation and design completed.	Construction underway.
- Broadway & Arbutus Left Turn Bay	\$410	\$408	\$0	,	Dec, 08	On Schedule	Project substantially completed.	(Note: Project fully funded by adjacent developer. Awaiting recovery.)
- Clark Knight Corridor Projects	\$6,534	(\$2,660)	\$0	,	Apr, 09	On Schedule	Clark & 6 th left turn bay completed. Knight & 49 th left turn bay 66% completed.	Construction currently underway. (Note: Anticipated recovery from senior govt is over \$6M. Current deficit will be offset by external funding upon completion of project.)

PROGRAM: STRATEGIC TRANSPORTATION (CONT'D)

SUB-PROGRAM: Bus Slabs and Landings

OBJECTIVES: Construction of roadway bus pads and passenger landing areas at bus stop locations to upgrade the transit infrastructure and encourage transit use.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed

SUB-PROGRAM: Property Fund for Transit and Safety Projects

OBJECTIVES: A rotating fund for property acquisitions in advance of actual construction which will be reimbursed by individual transit and safety projects and by sale of residual property.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed

PROGRAM: LOCAL AREA TRAFFIC PLANS AND OTHER IMPROVEMENTS

SUB-PROGRAM: Neighborhood Traffic Calming

OBJECTIVES: Enhancement of the liveability and safety on local neighbourhood streets by developing neighbourhood traffic calming plans in consultation with residents and stakeholders; and creation of a safer pedestrian environment for school children by managing school and playground traffic safety issues in consultation with the school community and the Police. These neighbourhood traffic calming plans and local residential street segment traffic calming measures are integral components of the Vancouver Transportation Plan, and may include traffic circles, partial closures, corner bulges, diagonal and right-in right-out diverters, and speed humps.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Neighborhood Traffic Calming Program	\$1,650	\$981	\$0	,	Dec, 08	Extended	2006 School Bulge Program: 80% completed. 2006 Speed Hump Program: 100% completed.	2007 program underway: school bulges; speed humps; other traffic calming projects. (Note: \$158K to be c/f from 2003-05.)

SUB-PROGRAM: Local Improvements - Residential Streets and Lanes

OBJECTIVES: Improvement of streets and lanes in residential areas through the local improvement process that include construction of new curbs and gutters, installation of new street and lane lighting, and provision of trees and other beautification features.

Some projects are initiated by property owners through petitions to address maintenance problems. Some projects are initiated by City staff if there are difficulties with petitions due to absentee landlords, if there are specific drainage problems, or if there are increased maintenance concerns.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Residential Streets-Local Improvement	\$2,873	\$1,087	\$0	,	,	Extended		Work in progress: May 2006 Court of Revision projects. Planned work: Nov 2006 and 2007 Court of Revision projects.
Residential Lanes-Local Improvement	\$1,250	\$320	\$0	,	,	Extended	Completed projects: May and Nov 2006 Court of Revisions.	Planned work: 2007 and 2008 projects

PROGRAM: LOCAL AREA TRAFFIC PLANS AND OTHER IMPROVEMENTS (CONT'D)

SUB-PROGRAM: Local Improvements - Higher-zoned Streets and Lanes

OBJECTIVES: Improvement of streets and lanes in commercial, industrial, multiple dwelling areas, and higher use areas to address poor condition and bring them up to current standards.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Higher Zones Streets - Local Improvement	\$500	\$463	\$0	,	,	Extended		Work in progress: May 2006 Court of Revision (\$166k); Nov 2006 Court of Revision (\$68K) (Note: \$228K to be c/f from 2003-05. \$234K set aside for Jun 2008 Court of Revision.)

SUB-PROGRAM: Drainage Improvements and Advance Utility Relocation

OBJECTIVES: Initiation of required drainage and utility work for proposed street and lane paving projects to reduce lead times and avoid construction delays.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Drainage & Utility Relocation Program	\$400	\$390	\$0	,	,	Pending		Drainage work is assessed as allocated and planned work is initiated.

SUB-PROGRAM: Neighborhood Collector Program

OBJECTIVES: Reclassification of some low volume secondary arterial streets as Neighborhood Collectors as part of the Vancouver Transportation Plan for construction of traffic calming devices.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Neighbourhood Collector	\$4,200	\$3,657	\$0	,	,			
- Blenheim Traffic Calming	\$2,700	\$2,157	\$0	,	Oct, 08	On Schedule	Sidewalks, curb and gutter completed. Overall project 60% completed.	Project to be completed by Oct 2008.

PROGRAM: OTHER STREET PROJECTS

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Burrard Bridge Sidewalk Widening & Railing Replacement	\$14,369	\$13,181	Scope Dependent	,	,	Pending	Design options and high level cost estimates completed.	Project on hold pending Council decision on final design options and scope; project estimates could go up to \$57M (or \$63M in 2010\$). (Note: Additional \$20M contemplated in 2009-11 Capital Plan.)
Cambie Street Restoration	\$12,000	\$10,476	\$0	,	Nov, 09	On Schedule		Scope of work: rehabilitation of Cambie after Canada Line construction; public realm enhancements; accessibility amenities; bicycle facilities; pedestrian and vehicle safety measures. Construction underway and on schedule; to be completed on or before Nov 2009. (Note: Total updated budget \$16.85 million includes additional City Capital and cost sharing from Translink and ICBC.)
Carrall Street Greenway	\$5,221	\$3,072	(\$1,342)	,	May, 09	Extended	Detailed design approved.	Scope of work: utility relocation; street reconstruction; multi-use path; street trees; public art. Translink funding recovery outstanding. Project estimates updated to include current and anticipated expenditures based on scope changes related to electrical work. Opportunities to secure additional senior govt funding being pursued. Work to be completed in Spring 2009.
Downtown Heritage Railway Track Infrastructure Upgrades	\$9,500	\$9,500	\$0	,	Dec, 09	On Schedule	Contract awarded for design consultancy.	Detailed design is underway and construction tender will commence in the fall of 2008, to be followed by award of contract and construction. Target completion is Dec 2009.
Expo Deck	\$650	\$358	\$0	,	July,09	Extended	Contract awarded for consultancy.	Consultant study underway to review condition of the structure, recommend options for maintenance and replacement, and provide estimates. Conceptual design 50% completed. Staff to report back in Summer 2009 pending review and input from Science World and key stakeholders. (Note: \$2.5M contemplated in 2009-11 Capital Plan for necessary safety improvements in advance of the 2010 Games.)

PROGRAM: OTHER STREET PROJECTS (CONT'D)

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (12/31/06) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
Granville Mall Reconstruction	\$11,000	\$10,827	\$0	,	Nov, 09	On Schedule	Several design milestones completed and approved.	Scope of work: sideway and roadway reconstruction; streetscape; civic event space. Tender underway; followed by construction in Summer/Fall 2008 and continue through Nov 2009. (Note: Updated budget \$20.8M - incl \$10.4M of 2008 Capital Budget and potential Translink funding.)
GreenLinks Program	\$3,397	\$3,397	\$0	,	,	Pending		Planned work: upgrades of pedestrian and cyclist routes in Downtown Core. Funding to be allocated to projects when opportunities arise.
Hastings Sunrise Beautification	\$450	\$450	(\$50)	,	Dec, 08	Pending		Project to commence in Sept 2008 and be completed by Dec 2008.
Renfrew Street Beautification	\$1,000	\$1,000	\$0	,	Jul, 10	Pending		Public process scheduled for Fall 2008, followed by detailed design work. Construction to commence after the 2010 Games.
Urban Transportation Showcase	\$15,375	\$9,863	\$0	,	,			
- Main Street Showcase	\$5,705	\$724	\$0	,	Dec, 08	On Schedule	Construction completed.	Remaining work: street furniture; transit signal priority; on street pavement markings; bike stencils; public art; electronic customer information signs. Work to be completed by Dec 2008.
- Central Valley Greenway	\$6,765	\$6,234	\$0	,	Dec, 08	On Schedule	Project scope and detailed design approved. Construction contracts awarded.	Construction to commence in Jun 2008 and be completed by Dec 2008. (Note: Updated budget \$10M - incl \$3.2M of 2008 Capital Budget and potential Translink funding.)
- Transit Villages	\$2,905	\$2,905	\$0	,	Dec, 09	Pending		Project on hold pending redesign.

PROGRAM: COMMUNICATIONS

SUB-PROGRAM: Other Projects

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Communications Program	\$1,577	\$509	\$0	,	Nov, 08	On Schedule		
- Underground Cable Replacement	\$500	\$267	\$0	,	Dec, 08	On Schedule	2006 program completed.	
- Underground Network Expansion	\$777	(\$98)	\$0	,	Dec, 08	On Schedule	2006 and 2007 programs substantially completed.	
- Radio System Upgrades	\$300	\$270	\$0	,	Dec, 08	On Schedule		Radio equipment purchase and software development under way. Project to be completed by end of 2008.

PROGRAM: STREET LIGHTING

POLICIES: The Safety City Report indicates the importance of making the public feel secure. This involves taking proactive measures to provide appropriate light levels on streets and at bus stops to assist in the protection of citizens from theft and violence. The Infill Lighting program funds the improvements to low levels of lighting on residential streets and around bus shelters.

SUB-PROGRAM: Renovate and Upgrade Plan

OBJECTIVES: Upgrades and renovation of the street lighting plant to improve lighting levels, including replacement of conduit, splices along trolley routes, rusty poles, service panels, embedded poles, and luminaries.

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Street Lighting Program	\$3,565	\$1,327	\$0	,	Nov, 09	On Schedule		
Renovate & Replace Plant	\$3,464	\$798	\$0	,	,		Completed projects: rusty pole replacement (\$444K); conduit replacement (\$1,146K); service panel replacement (\$247K); embedded pole replacement (\$196K); trolley pole and luminaries replacement and infill lighting (\$439K); contribution to IMS (\$120K).	(Note: \$71K set aside for 2006 invoices for trolley pole replacement to Translink currently under dispute.)

PROGRAM: SEWERS AND DRAINAGE

POLICIES: The City has a policy of separating sanitary and storm sewers for the purpose of reducing and eliminating combined sewer overflows (CSOs). The City adopted the 1% life cycle replacement policy for sewer mains in 1981 and the Design and Service Level Standards for Sewer Collection Infrastructure in 1991, which includes standards for the maintenance and replacement of sewer mains, connections, manholes, catch-basins, and pumping stations.

In 2001, Council approved the regional Liquid Waste Management Plan (LWMP) which continues the 1% life cycle replacement program in order to provide continuous CSO reductions with the goal of CSO elimination by 2050.

SUB-PROGRAM: System Replacement/Separation

OBJECTIVES: Renewal of sewer mains, connections, manholes, street drains, and pump stations to prevent serious collapse of sewers and address major flooding problems. Selection criteria include age, condition, and capacity of the pipes; flooding risk reduction and pollution abatement benefits; information from closed circuit television inspections, flow monitoring, and maintenance programs; and capacity analysis such as computer flow modelling.

The sewer infrastructure is being changed from a combined system (separate storm pipes and sanitary pipes) to a separated system (separate storm pipes and sanitary pipes) to reduce CSOs by either concentrating the sanitary sewage in the lines discharging to the sewage treatment plant or relieving the system by redirecting storm water from sanitary lines into the surrounding waters. Sewage that overflows into the local waters increases fecal coliform levels and other pollutants that can affect human health and marine life. Funding from the Canada-BC Infrastructure Program has helped accelerating sewer separation. Started in May 2003, 94% of the work was completed through 2006 with the remainder of the work to be completed in early 2007.

Old and inadequate connections are rebuilt between the main sewers and the properties when new buildings are constructed or substantial renovations are undertaken to mitigate risks of sewer backup resulting from structural failures or blockage by penetrating tree roots. This work is funded from sewer connection permit fees.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
MAIN SEWERS RECONSTRUCTION	\$44,264	\$5,220	\$0	,	,	On Schedule		
- Fraser River Basin	\$7,780	(\$660)	\$0	,	Apr, 09	On Schedule	2006 projects completed. 2007 projects partially completed.	Planned projects: W 40 th Ave (Blenheim to Collingwood); Blenheim (43 rd Ave to 41 st Ave). (Note: Additional projects undertaken due to unanticipated flooding problems and revised scheduling of several street repaving projects resulted in over expenditures. Balance outstanding and remaining projects are funded from 2008 Capital Budget.)
- West Pt Grey Basin	\$600	\$282	\$0	,	Mar, 08	On Schedule	2006 & 2007 projects completed.	

PROGRAM: SEWERS AND DRAINAGE (CONT'D)

SUB-PROGRAM: System Replacement/Separation (CONT'D)

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (12/31/06) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
- Balaclava Basin	\$6,460	\$3,861	\$0	,	Dec, 08	On Schedule	W Broadway (Balaclava to Trutch) completed.	Planned projects: W 12 th Ave (Stephens to Vine); W 33 rd Ave (Pine to Marguerite). (Note: Deferral and/or scope reduction for some 2006 projects resulted in under expenditures. Balance to be applied to ongoing and 2008 projects.)
- Kitsilano Basin	\$1,150	\$984	\$0	,	Dec, 08	On Schedule	13 th Ave (at Hemlock) completed.	Planned project: 12 th Ave (Burrard-Cypress). Delays in street paving projects deferred some 2007 projects to 2008. (Note: Remaining funding to be applied toward 2008 projects.)
- Cambie/Heather Basin	\$8,020	\$1,171	\$0	,	Dec, 08	On Schedule	2006 projects completed. Hillcrest (Dinmont to Ontario) completed.	Planned projects: Kingsway (Sophia to 12 th Ave)
- Terminal Ave Basin	\$1,250	(\$82)	\$0	,	Dec, 08	On Schedule	2006 projects completed.	Balance is to be funded from 2008 Basic Capital.
- Downtown Basin	\$1,350	(\$84)	\$0	,	Dec, 07	On Schedule	2006 and 2007 projects completed.	Additional unplanned projects undertaken in 2007 resulted in over expenditures. Balance is funded from 2008 Capital Budget.
- Grandview-Woodland Basin	\$2,565	(\$72)	\$0	,	Dec, 07	On Schedule	2006 and 2007 projects completed.	Additional unplanned projects undertaken in 2007 resulted in over expenditures. Balance is funded from 2008 Basic Budget.
- Hastings-Sunrise Basin	\$2,820	\$898	\$0	,	Nov, 08	On Schedule	2006 projects completed.	Hastings (Boundary-Cassiar) deferred from 2007 will be undertaken in 2008. Balance will be applied to deferred projects.
- China Creek Basin	\$7,520	\$936	\$0	,	Dec, 08	On Schedule	2006 projects completed. Knight St (15 th Ave to 21 st Ave)	Planned projects: 20 th Ave (Fraser to St Catherines)
- Still Creek Basin	\$300	\$238	\$0	,	Dec, 08	On Schedule	2006 Projects completed.	Balance to be applied toward 2008 projects.
- Canada BC Infrastructure	\$4,449	(\$2,151)	\$0	,	Dec, 08	On Schedule	2006 projects completed.	Recoveries from senior govts anticipated by y/e 2008.

PROGRAM: SEWERS AND DRAINAGE (CONT'D)

SUB-PROGRAM: System Replacement/Separation (CONT'D)

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Connection & Manhole Reconstruction	\$1,394	(\$250)	\$0	,	Apr, 08	On Schedule	2006 and 2007 projects completed.	Balance is funded from 2008 Capital Budget through scope reduction for 2008 projects.
Local Repair: Catch Basins & Spurs	\$487	\$582	\$0	,	Dec, 08	On Schedule		Significant portion of planned work delayed due to resource constraints. (Note: Completed work fully funded by TransLink, resulting in under expenditure. Remaining funding to be transferred to other sub-programs in 2008.)
Upgrade & Replacement of Pump Station	\$5,412	\$3,863	\$0	,	Dec, 08	On Schedule		Planned projects: 6 th Ave & Oak pump station; Granville Street pump station; Boundary & 1 st pump station. (Note: Balance is combined with 2008 Capital Budget for Cambie pump station associated with the Neighbourhood Energy Utility project.)

SUB-PROGRAM: Sewer System Management

OBJECTIVES: Projects, data collection and analysis to support cost effective work programs.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/06) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
SEWER SYSTEM MANAGEMENT	\$669	\$11	\$0	,	,	On Schedule		
- TV Inspections	\$445	\$70	\$0	,	Dec, 07	On Schedule	2006 and 2007 programs completed.	

PROGRAM: SEWERS AND DRAINAGE (CONT'D)

SUB-PROGRAM: Other Pollution Abatement

OBJECTIVES: Pollution abatement through the LWMP and sewer separation on private property to reduce and eventually eliminate CSOs by 2050.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
POLLUTION ABATEMENT	\$1,306	\$173	\$0	,	Dec, 07	On Schedule		Planned projects: Still Creek Environmental Program; development of Liquid Waste Management Plans.

PROGRAM: WATERWORKS

POLICIES: In October 2005, Council approved the 2006-2008 Waterworks Capital Plan, which was based on the Waterworks Long Range Plan (LRP). The LRP and Capital Plan both focus on the proactive replacement of aging infrastructure, water system upgrading to keep pace with development, system capacity and fire protection improvements, emergency preparedness, technology upgrades, water quality improvement work, and other works such as new water service installations.

SUB-PROGRAM: Aging Infrastructure Replacement

OBJECTIVES: Replacement of aging distribution and transmission mains, and associated facilities and appurtenances such as pressure regulating stations, valves, fire hydrants, water meter, and service connections, in accordance with the Waterworks Long Range Plan.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
INFRASTRUCTURE REPLACEMENT	\$28,368	\$2,539	\$0	,	,			
- Distribution Main Replacement	\$19,239	\$1,080	\$0	,	Sep, 08	On Schedule	Completed projects: Blenheim (W 16 th Ave to Quesnel); Dunsmuir (Beatty to Burrard); W 45 th Ave (Cedarhurst & 48 th Ave); SW Marine (Blenheim to CedarHurst)	Planned projects: Kerr (45 th Ave to SW Marine).
- Transmission Main Replacement	\$3,004	\$650	\$0	,	Sep, 08	On Schedule		Kerr (45 th Ave to SW Marine)
- Aging Water Replacement	\$5,668	\$300	\$0	,	Dec, 07	On Schedule	2006 and 2007 water meter and water service replacement projects completed.	
- Fire Hydrant Program	\$367	(\$137)	\$0	,	Dec, 07	On Schedule	2006 and 2007 programs completed.	Additional unplanned work undertaken in 2006 and 2007 resulted in over expenditure; balance is funded from 2008 Capital Budget.

PROGRAM: WATERWORKS (CONT'D)

SUB-PROGRAM: Addressing Growth

OBJECTIVES: To address increased domestic and firefighting water demands created by population growth, which include metering and conservation to manage the resulting demand.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
ADDRESSING GROWTH	\$1,703	\$609	\$0					
- Transmission Capacity	\$400	\$336	\$0	,	Dec, 08	On Schedule		Reconstruction of BRM5 - Metro Vancouver Supply Main, Boundary Road Main #5 - is delayed. Phase 3 construction underway; to be completed by y/e 2008.
- New Meter & Service Installation	\$785	(\$97)	\$0	,	Dec, 07	On Schedule	Completed.	Additional unplanned work performed resulted in over-expenditure; balance is funded by 2008 Capital Budget.)

SUB-PROGRAM: Emergency Planning

OBJECTIVES: A dedicated fire protection system that works properly in response to emergency situations.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
EMERGENCY PLANNING	\$521	(\$402)	\$0					
- Dedicated Fire Protection	\$351	(\$572)	\$0	,	Dec, 07	completed	2006 program completed.	Variance due to contract settlement for False Creek Crossing; balance is funded from 2008 Capital Budget.)

PROGRAM: WATERWORKS (CONT'D)

SUB-PROGRAM: Investigation, Monitoring and Control

OBJECTIVES: Compilation of waterworks information for system design and control and investigation of new materials and technologies.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
INVESTIGATION, MONITORING & CONTROL	\$588	\$406	\$0					
Engineering & Site Investigation	\$405	\$231	\$0	,	Dec, 08	On Schedule	Completed projects: soils and materials testing for projects.	Planned projects: Water System Hydraulic Model Upgrade; Demand Management Area Study

SUB-PROGRAM: Water Quality Projects

OBJECTIVES: Reduction of the number of dead end, low flow, and tuberculated watermains to provide clean, safe drinking water which is a joint responsibility of the City and Metro Vancouver.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Misc Water Quality Projects	\$1,000	\$257	\$0	,	Dec, 08	On Schedule	Cambie looping completed.	Kaslo looping to be completed by end of 2008.
Voluntary Water Metering Program	\$3,200	\$3,200	\$0	,	Jan, 09	Pending		Project on hold pending staff report back on program updates and strategy.

PROGRAM NAME: ENGINEERING WORK YARDS IMPROVEMENT

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Kent Avenue Site	\$2,863	\$270	\$0	,	Apr, 09	On Schedule		With additional funding, total project cost is \$3.09M. Projects underway: Precast Plant (\$2.7M) to be completed in Spring 2009; Rubble Site (\$149K) to be completed by y/e 2008; Asphalt Plant Dryer (\$241K) to be completed in Spring 2009.
Manitoba Yards Improvements	\$1,304	\$1,304	Depending on Review	,	,	Pending		Scope of work: Major renovations to Manitoba Yard operation buildings. Project delayed pending results of Vancouver South Transfer Station Infrastructure Review which may significantly impact existing Manitoba Yard and planned improvements.

PROGRAM NAME: OTHER ENGINEERING PROJECTS

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Canada Line 2 nd Ave Station	\$29,696	\$726	\$0	,	Nov, 09		Completed work: public consultation; detailed design; station excavation.	Work in progress: Station construction; road restoration.
Landfill/Refuse Disposal Projects	\$19,030	\$16,375	(\$3,700)	Jan, 07	Dec, 09	Extended		Project to ramp up in 2007. See comments on project phases below.
- Western 40 Hectare Berm Cost	\$1,650	\$1,650	\$0	Jan, 08	,	Pending		Berm construction on hold pending further review in early 2009.
- Phase 1 Closure & Landfill Gas Collection	\$11,875	\$10,930	(\$3,700)	Jan, 07	Dec, 09	Extended	Phase 1 closure design and specifications being completed.	Phase 1 closure: Tender in fall 2008, followed by contract award in early 2009 and construction commencing in May 2009. Landfill gas collection: Tender to be in summer 2008, followed by contract award in fall 2008 and construction. (Note: Additional funding may be required pending tender award.)
- Operational Landfill Gas Collection	\$1,275	\$683	\$0	Nov, 06	Dec, 09	Extended		Next phase horizontal wells.
- Power Line Relocation	\$1,462	\$795	\$0	Jan, 07	Nov, 08	On Schedule		Construction underway. (Note: Council approved additional financing from Solid Waste Capital Reserve in summer 2007 to fund cost escalation and scope change.)
- Residential Drop-off Weigh Scale	\$2,500	\$2,295	\$0	Nov, 06	,	Pending		Project on hold pending review of possible scope change by consultant.
Impound Facility Relocation	\$5,170	\$83	\$0	, 06	, 08	On Schedule	Property transferred from PEF to Capital Fund in 2006. Development permit application submitted. Consultant contract awarded.	Development Permit application in progress. Construction tender, contract award, and construction anticipated to commence by end of 2008.
Improvements-Recycling Receiving Yard	\$850	\$847	\$0	Jan, 09	Dec, 09	Pending		Project delayed due to unforeseen challenges with securing design and construction contracts. Construction to commence in early 2009 and be completed by end of 2009.
Parking Meter & Handheld Equipment	\$1,188	\$185	\$0	,	,			
- Parking Meter Replacement	\$577	\$24	\$0	,	,		All parking meter equipment purchased and delivered. Program completed.	
- Handheld Equipment Upgrades	\$611	\$255	\$0	,	Nov, 08	On Schedule	Handheld equipment delivered. Handheld software partially delivered.	Remaining handheld software to be delivered in 2008.

PROGRAM NAME: OTHER ENGINEERING PROJECTS (CONT'D)

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
False Creek Neighborhood Energy Utility	\$14,000	\$11,260	\$0	Apr, 06	Sep, 09	On Schedule	<p>NEU Distribution Pipeline: construction began in Aug 2006; 80% completed.</p> <p>NEU Energy Centre: design near completion.</p>	<p>NEU Distribution Pipeline: remaining construction to be completed by end of 2008.</p> <p>NEU Energy Transfer Station: construction commenced in June 2008 and to continue through 2009 for Olympic Village and Private Lands.</p> <p>NEU Energy Centre: construction to commence in Aug 2008 and be completed by Sept 2009.</p>

PROGRAM: PARK DEVELOPMENT

SUB-PROGRAM: Land Acquisition and New Park Development

OBJECTIVES: Ongoing purchase of land to expand existing parks or create new parks.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
New Park Acquisition	\$5,600	\$0	\$0	Jan, 06	,	Extended		Land acquisitions as opportunities arise. (Note: Total budget includes \$2.6M c/f from 2003-05.)
Property Acquisition for Phase 2 Emery Barnes Park	\$8,300	\$701	\$0		,	On Schedule		Building demolition and environmental remediation works expected to be underway in 2009. (Note: Acquisition funded from DTS - area specific DCLs.)

SUB-PROGRAM: Neighborhood Park Renewal

OBJECTIVES: Enhancement of neighbourhood parks encompassing landscaping, site infrastructure, and services in consultation with stakeholders to address condition deficits, upgrade appearance, add more variety, and improve park usability.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/06) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Park Enhancement Projects	\$3,995	\$1,563	\$0	Jan, 06	Dec, 08	Extended	4 park renewal projects completed: Ceperley Playground/Air India Memorial in Stanley Park; Nelson Park in West End; Park at Oak & 37 th Ave in South Cambie; Victoria Park in Grandview-Woodland.	Oppenheimer Park: concept plan approved in Mar 2008. Tecumseh Park: concept plan to be developed in summer 2008. Sunset Park: concept plan to be developed in 2009.
Hillcrest Park	\$300	\$283	\$0		Dec, 08	On Schedule		Funds reserved for upgrading overflow parking lot located between Nat Bailey Stadium and Racquets Club. Project to be completed in fall 2008.
Hastings Park Restoration	\$850	\$850	\$0	Jan, 05	,	Pending		Fund reserved for next phase of park restoration. Development of implementation Plan underway; to be completed in 2010. (Note: Funding was c/f from 2003-05.)

PROGRAM: PARK DEVELOPMENT (CONT'D)

SUB-PROGRAM: Playfields - Grass and Synthetic Turf

OBJECTIVES: Rebuild, repair, and deep tyning of playing fields, including installation or replacement of drainage and irrigation systems and over-seeding of turf, to maximize the playing capacity of the grass field inventory to keep up with the demand for soccer, baseball and other field sports.

Rollout of 6 lighted in-fill synthetic turf playing fields by year 2011 in accordance with Park Board's Long Range Field Renewal Plan.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Synthetic Turf Fields	\$1,500	(\$623)	\$0	Jan, 07	Dec, 07	On Schedule	Field at Vancouver Technical School completed.	(Note: Over expenditure due to Trillium costs being charged to this project; to be corrected.)
Trillium Park Site Development	\$4,500	\$4,410	\$0	Apr, 07	Dec, 09	On Schedule	Field being preloaded - compacting the ground for field construction.	Project to be completed in 2009.
Andy Livingstone Field Restoration	\$1,770	\$1,770	\$0	Jun, 08	Dec, 08	On Schedule		Consultant is working on the design and project to be completed in late 2008. (Note: Project funded from CAC.)
Grass Playing Fields	\$400	\$63	\$0	Jan, 06	Dec, 08	On Schedule	Completed projects: various small repairs and general drainage work across the city; upgrade of one field at Douglas Park.	Planned projects: upgrade of fields at Columbia and Connaught Parks to be completed in fall 2008; upgrade of fields at Bobolink and Moberly Parks to be completed in 2009.

SUB-PROGRAM: Park Improvements/Upgrades

OBJECTIVES: Enhancement of park usability and aesthetics through small upgrades to drainage, planting beds, and pathways in neighbourhood parks.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Youth & Sports Courts	\$425	\$425	\$0			Extended		Planned projects: upgrade of Downtown Skateboard Plaza and "Leeside" skateboard area; development of new skateboard area in a park in South Vancouver.
Seawall Widening & Path	\$500	\$150	\$0	Jan, 06	Dec, 08	On Schedule	Upgrade of pedestrian/bicycle route from Second Beach to Lost Lagoon completed.	Final landscaping to be completed. (Note: Anticipated under expenditure to be allocated during annual closeout.)

PROGRAM: PARK DEVELOPMENT (CONT'D)

SUB-PROGRAM: Waterfront Shoreline Stabilization

OBJECTIVES: Seawall reconstruction, upgrades, and repairs to ensure reasonable levels of safety for park users.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
New Brighton Foreshore & Beach Shoreline	\$349	(\$25)	\$0	Aug, 06	Dec, 07	On Schedule	Foreshore erosion control completed.	(Note: Over expenditure to be settled during annual closeout.)
Seawall Reconstruction/Upgrades	\$500	\$37	\$0	Jan, 06	Dec, 07	On Schedule	Upgrade pedestrian/bicycle route along seawall east of Lions Gate bridge completed.	(Note: Under expenditure to be allocated during annual closeout.)

SUB-PROGRAM: Major Park Infrastructure

OBJECTIVES: Utility upgrades to separate sanitary and storm sewage in parks to achieve utility cost savings and environment benefits; and replacement of pavement in poor condition to reduce long term maintenance costs as well as risks of claim due to injury or vehicle damage.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Road Resurfacing	\$400	(\$53)	\$0	Jan, 06	Dec, 07	On Schedule	Park drive resurfacing at Brockton Point completed.	(Note: Over expenditure due to projects being more complicated than originally anticipated; to be addressed during annual closeout.)

PROGRAM: STREET TREES

OBJECTIVES: Enhancement and diversification of the urban forest over a 20-year period, and increase of the citywide stock level to 70% by 2010 in accordance with the Street tree Management Plan (1990).

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Street Trees	\$500	\$100	\$0	Jan, 06	Dec, 08	On Schedule	About 2,000 trees added to inventory in 2006 and 2007.	Ongoing program.

PROGRAM: RECREATION FACILITIES

SUB-PROGRAM: Major Renewal/Replacement

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Sunset Community Centre Rebuild	11,686	(\$561)	\$0	Jan, 03	Dec, 07	On Schedule	Construction completed; grand opening in Apr 2008.	Anticipated over-expenditure of \$561K due to excavation issue and higher design costs, to be addressed during annual closeout.
OE Rebuild Reservoir Deck Plaza	\$5,781	(\$269)	\$0	Jul, 03	Dec, 08	On Schedule	Project substantially completed.	A few contractor deficiencies to be fixed/replaced (e.g. locks, deck boards). Dispute resolution ongoing. Anticipated over-expenditure of \$269K to be addressed during annual closeout.
Nat Bailey Stadium	\$500	\$98	\$0		Feb, 08	On Schedule	Phase 1 renovation completed.	
VanDusen Garden Building Renewal - Phase I	\$2,250	\$1,376	\$0	Jul, 07	Dec, 10	Extended	Concept plan approved by Park Board in Jun 2008.	Planned work: development and building permit applications in 2008 and 2009. Construction to commence in late 2009. (Note: Total project budget \$6.8M - incl additional funding from 2008 Capital Budget and VanDusen Botanical Garden Association. Additional funding is being sought in 2009-2011 Capital Plan.)

SUB-PROGRAM: Major Maintenance

OBJECTIVES: Priority roof replacements; interior and exterior painting to prevent water penetration; floor replacements to mitigate the risk of trip and fall and protect floor membranes to preserve building structural elements; abatement of hazardous materials such as lead paint and mould; and replacement and upgrades of mechanical systems at community centre facilities, community pools, and ice rinks.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Roof Replacement	\$825	\$81	\$0	Jan, 06	Dec, 08	On Schedule	Repair or replacement completed at: Sunrise Hall; John Hendry Fieldhouse; Hastings CC; Kerrisdale CC; Jericho Hill CC; SP Farmyard Barn; Winona Fieldhouse; Sunset Beach Concession; SP Lagoon public washrooms; Douglas Park CC.	Planned repair or replacement: Malkin Bowl; Kensington Pool Mechanical room; Lord Byng Pool; Dunbar Lawn Bowling Clubhouse; Jericho Service Yard; Marpole CC; Third Beach Concession.

PROGRAM: COMMUNITY LEGACY PROJECTS

OBJECTIVES: The Vancouver Olympic Organizing Committee (VANOC) and the City entered into formal agreements related to the provision of Olympic venues in the City, including the Vancouver Olympic Centre which is the venue for curling for the 2010 Winter Olympics at Hillcrest and Nat Bailey Stadium Parks (the Legacy Facility); and two practice rinks at Killarney or Trout Lake Community Centres.

VANOC, in partnership with the City of Vancouver, has undertaken to build and partially fund the Olympic curling venue at Hillcrest Park. After the Games, the facility will be converted into a community legacy facility which includes the new Percy Norman pool, a curling club, community centre, ice rink, and Park board district area offices (the Legacy Facility). During subsequent discussions on post Olympic conversion, sufficient space was identified to include a replacement and upgrade to the Riley Park Branch Library.

The electorate approved borrowing authority of \$35 million for these replacements as part of the 2006-2008 Capital Plan. VANOC committed \$38 million toward construction of the Legacy Facility and its post-Olympic conversion; and \$5 million toward replacement of the two rinks. In 2006, Park Board identified a funding shortfall of \$25.76 million. In October 2006, Council approved that \$2 capital funding be reallocated from other projects, and that \$2 million inflation adjustment provision and \$21.76 internal financing be added to the project budget to ensure completion of the venues in time for the 2010 Games. In April 2007, City Council further approved \$1.36 million of additional citywide DCL funding for park development associated with these venues. In June and November 2007, City Council approved advancing \$4.76 million from the \$10 million Legacy Facility Conversion funding contribution from VANOC to fund the Percy Norman Aquatic Centre and the Trout Lake Ice Rink Replacement project.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Killarney Ice Rink	\$14,700	\$317	\$0	Jan, 06	Spring 09	On Schedule	Design work and value engineering complete.	Construction underway; to be completed in spring 2009.
Trout Lake Ice Rink	\$15,940	\$486	\$0	Jan, 06	Summer 09	On Schedule	Design work and value engineering complete.	Construction underway; to be completed in fall 2009.
Hillcrest Curling Venue	\$8,800	\$0	\$0		Fall 08	On Schedule	Design work and value engineering complete.	Construction underway; to be completed in late 2008.
Percy Norman Aquatic Centre	\$31,860	\$4,063	\$0	Jan, 06	Summer 09	On Schedule	Design work and value engineering complete.	Construction underway; to be completed in summer 2009.

PROGRAM: PUBLIC SAFETY

OBJECTIVES: Replacement of aging facilities for Vancouver Fire & Rescue Services (VF&RS) and Vancouver Police Department (VPD) that are beyond economical repair and/or no longer meet operational needs.

SUB-PROGRAM: Replacement of Firehall #15

OBJECTIVES: Demolition and replacement of the two-bay, wood-frame Fire Hall #15, built in 1913, with a three-bay, fully functional firehall. The existing facility has significantly deteriorated over years and does not meet current Building Code requirements for "Post Disaster Buildings".

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Firehall #15 Replacement	\$8,410	\$8,107	\$0	Sep, 06	Dec, 10	Extended	- Preliminary design completed.	- Project on hold pending Council decision to extend public process on building design options or to proceed with a purpose-built replacement Firehall as recommended by staff. - VF&RS is working on moving staff to a temporary Firehall site housed in a britco-style trailer by the end of 2008. Development permit application submitted; followed by building permit application. The process will take 12 weeks to complete. (Note: Additional funding contemplated in 2009-2011 Capital Plan to cover cost escalation due to delay in construction.)

PROGRAM: PUBLIC SAFETY (CONT'D)

SUB-PROGRAM: Relocation of Dog Squad Offices and Kennels

OBJECTIVES: Relocation of the VPD canine unit, built in 1969, from the former Cambie Works Yards to 755 Evans Avenue. The existing facility is in poor condition and has experienced mould problems from water penetration in its perimeter walls.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
VPD Dog Squad Facility Relocation/ Environmental Assessment	\$3,395	\$2,827	\$0	, 06	Dec, 09		- Design - Draft environmental assessment report 80% completed	- Tender, construction, relocation - Anticipated over expenditure due to cost escalation and unanticipated soil remediation costs (Note: Additional funding of \$400K was approved by Council in July 2008.)

SUB-PROGRAM: Force Options Training Centre

OBJECTIVES: Replacement of the old range at 312 Main Street that was closed for environmental and health and safety concerns with a purpose-built indoor training facility to accommodate firearm and force options training and recertification for sworn officers.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Force Options Training Facility	\$26,020	\$26,020	\$0	, 06	Oct, 09	On Schedule	- Design - Documentation - Prequalification of contractors - Tender	- Construction to commence in Jun 2008 and complete in Oct 2009

SUB-PROGRAM: Emergency Generator EOC

OBJECTIVES: Establishment of an Emergency Operations Command (EOC) site for use in the event of disaster or major civil disturbance. The first phase includes provision of emergency backup services.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
VPD Emergency Generator EOC	\$350	\$326	\$0	Feb, 07	Oct, 08	Extended	- Consultant report - Scope, design, and options on structure and location	- Tender - Installation

PROGRAM: AFFORDABLE HOUSING (EXCL. WOODWARD'S)

OBJECTIVES: Preservation and/or increase of the City's social and affordable housing percentage (currently at 8.5%) in accordance with the CityPlan.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Affordable Housing Program	\$2,091	\$2,026	\$0	,	,			See comments on major projects below.
Unallocated	\$1,141	\$1,141	\$0	,	,			Funding earmarked for upgrades to SRO's purchased by provincial govt (\$650K) and repairs to Stanley/New Fountain Hotel (\$400K) subject to Council approval.
788 Richards/Passlin Hotel	\$720	\$720	\$0	,	Apr, 08	Extended	Funds disbursed in Apr 2008.	(Note: Project funded from DCL.)

PROGRAM: CITY-OWNED CHILDCARE FACILITIES (EXCL. WOODWARD'S AND #1 KINGSWAY)

OBJECTIVES: Design and permitting of city-owned childcare projects, Provincial Partnership and At Risk Projects, and other priority childcare projects.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Childcare Program	\$4,353	\$4,139	\$0	,	,			See comments on major projects below.
Childcare Unallocated from prior years	\$1,798	\$1,798	\$0	,	,			Unallocated capital of \$1.8M incl 2006 Capital Budget reserved for the City Gate II project (\$530K), Downtown South (\$345K), and Provincial Partnership Projects (\$800K).
Learning Tree/Playhouse Centre	\$1,200	\$1,115	\$0	,	,		Preliminary schematic design for a consolidated facility completed. Additional contribution of \$400K secured from BC Government.	Conceptual design for a consolidated facility would require \$5.2M. Given financial constraints, original project has been downsized. In Mar 2008, Council approved a grant of \$595K to rebuild the existing modular building at the Learning Tree Daycare. Staff will report back before the end of 2008 on allocation of the remaining funding to other priority childcare projects.
City Gate II Childcare	\$496	\$496	\$0	,	,		Shell completed. Architectural design consultant hired to revise original design.	Project is awaiting the successful appointment of an operator for the infant/toddler spaces. The original design was based on an infant/toddler program but significant difficulties have been encountered in attracting an operator due to high operating costs for this type of care and uncertainty about provincial childcare operating funding. Additional funding of \$530K has been reserved in the 2006 Capital Budget ("Unallocated") subject to report back.
International Village Childcare	\$330	\$330	\$0	,	,			Construction to start late 2008 or early 2009. (Note: Project funded from developer payment-in-lieu.)

PROGRAM: OTHER SOCIAL AND CULTURAL FACILITIES

SUB-PROGRAM: Vancouver East Cultural Centre

OBJECTIVES: "Challenge" grant for the City-owned Vancouver East Cultural Centre's (VECC) capital revitalization and expansion project to leverage senior government and private sector funding to provide the much needed space for rehearsal and performance as well as for administration.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Vancouver East Cultural Centre	\$1,500	\$150	\$0	,	Dec, 08	Reset	1 st "challenge" grant of \$750K approved by Council Mar 2005; 2 nd challenge grant approved Apr 2007. Grants, net of 10% holdback, were released In July 2007.	Release of holdback subject to VECC Society securing funding for the rest of this phase of the renovation.

PROGRAM: CAPITAL GRANTS

OBJECTIVES: Financial support of up to one-third of total project costs to non-profit social service, daycare, and cultural facilities that are not owned by the City for construction, renovation, or repairs to support inter-governmental and community collaboration in providing accessible and community-based amenities, thereby contributing to the long-term viability and sustainability of the non-profit sector in Vancouver.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Capital Grants Program	\$505	\$463	\$0	,	,		Funds released for YWCA (\$100K); Wesbrook Preschool Group Association (\$8K); Spare Time Fun Centre Society (\$25K).	Release of funds pending confirmation of secured external funding and cost quotes: Aboriginal Mother Centre Society (\$70K); Central City Mission/Network Two (\$50K). Release of funds pending provision of expenditure receipts: Cedar Cottage Neighborhood House (\$2K); Sunset Childcare Society (\$5K); Vancouver Aboriginal Friendship Centre (\$6K).

PROGRAM: PUBLIC ART PROGRAM

OBJECTIVES: Incorporation of contemporary art practices into city planning and development through engaging artists and communities to create art that expresses the spirit, values, visions, and poetry of place that collectively define Vancouver.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Public Art Program	\$1,252	\$738	\$0	,	,			
- Brockton Point First Nations Artwork	\$140	\$79	\$0	,	Oct, 08	On Schedule	Fabrication and installation completed.	Payment of final invoices.
-Carrall Greenway Artwork	\$120	\$120	\$0	,	Jun, 10	On Schedule	Project plan. Intersection project.	Chinatown, Platforms for art. Olympic and Paralympic Projects.
- Project Management	\$135	\$33	\$0	,	Dec, 08	On Schedule	Public Art Review; SEFC artist selected; draft Olympic and Paralympic Public Art Plan approved by Council	Carrall Greenway Planning, Ridgeway East Project, Library Square Project, Olympic and Paralympic Public Art Program, Project management for Public Art Projects
- Public Art Program Review	\$110	\$0	\$0	,	Oct, 08	On Schedule	Plan report and recommendations approved by Council.	
- Artwork for #1 Kingsway Joint-Use Civic Facility	\$240	\$136	\$0	,	Sep, 09	Extended	Community consultation, Planning, Artist Selection, Design, Fabrication	Installation -- delayed to due delays in building construction.
- Library Square Public Art Program	\$135	\$78	\$0	,	,	On Schedule	Aperture (ongoing banner program) - Carol Sawyer	Program to continue at Library Square.
- Clark/Knight Corridor	\$100	\$100	\$0	,	,	Pending	Engineering work completed.	Art plan, design, fabrication, and installation to follow.
- Ontario Greenway	\$200	\$47	\$0	,	,	Extended	Completed work: Community consultation, artist selection, design, fabrication	Project timeline extended as artist has been ill. Final fabrication and installation to complete.

ONGOING COMMUNITY SERVICES PROGRAMS/PROJECTS

PROGRAM: DOWNTOWN EASTSIDE REVITALIZATION PROGRAM

OBJECTIVES: A number of strategic initiatives are being developed in partnership with senior government and private sector funding to revitalize the Downtown Eastside (DTES).

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
DTES Commercial Revitalization Program (formerly Lease Subsidy Program)	\$286	\$286	\$0	Sep, 08	Dec, 10	On Schedule		- Report going to Council by end of 2008 for approval in principle for new direction of program. - Funding will likely not be used until 2009
DTES Community Economic Initiatives	\$500	\$500	\$0	,	,			Funding to be combined with the DTES Commercial Revitalization Program.
Chinatown Society Buildings Planning Grant Program	\$400	\$400	\$0	Jul, 08	Jul, 10	On Schedule	- Grant program approved by Council Feb 2008 - Application process for Phase 1 grants began March 2008	- Report going to Council July 2008 to allocate five grants. - Condition that grant funds not expended in three years to be returned to DTES Unallocated (2011).
Pennsylvania Hotel	\$450	\$450	\$0	Jul, 07	Jul, 09	Extended	- Council approval of grant in 2001 - Negotiations with all funding partners on revised partnership (RTS#6282) - Permits approved in July 2007 - Project construction underway	- Require confirmation of legal agreement status from Housing Centre - Disbursement of funds
WISH Wellness Centre								
- Renovation	\$250	\$250	\$0	, 05	Sep, 08	On Schedule	Renovation plan completed	Renovation work has recently started.
- Temporary Relocation of VPD Evidence Warehouse to Old Jail	\$300	\$66	\$0	May, 07	Sep, 08	On Schedule	Development and Building Permits issued	Construction estimated to be completed September 2008.
390 Main Street Capital Improvements	\$630	\$67	\$0	,	Sep, 08		Multiple phases of design and construction; project is substantially complete.	Minor tenant improvements
DTES Public Realm Improvements	\$500	\$500	\$0	,	,			Report going to Council by end of 2008 for construction of electrical infrastructure on Carrall Greenway.
Strathcona Public Realm Improvements	\$154	\$154	\$0	,	,			Report going to Council by end of 2008 to request funding allocation.

ONGOING COMMUNITY SERVICES PROGRAMS/PROJECTS

APPENDIX 6

PROGRAM: HERITAGE FAÇADE REHABILITATION GRANT PROGRAM

OBJECTIVES: Financial assistance for owners to rehabilitate heritage building façades for half of the costs up to \$50,000 per principal façade to preserve the heritage character and encourage economic revitalization opportunities in the downtown neighbourhood.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start ¹	End		Completed	To Be Completed
Heritage Façade Rehabilitation Grant Program	\$1,800	\$1,800	\$0	,	,	Extended	\$1.4M grants approved.	Projects at various stages: Development/building permit, conservation work. Release of funds pending proof of expenditures.
Unallocated	\$365	\$365	\$0	,	,			Several façade grant applications are currently under review; separate reports to Council to follow.

PROGRAM: CULTURAL PRECINCT RE-DEVELOPMENT/CIVIC THEATRES UPGRADES

OBJECTIVES: Capital renewal of the Queen Elizabeth Theatre, the Playhouse, and the Orpheum as part of the Cultural Precinct Re-development Project - Phase 1 in time for the 2010 Winter Olympics.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
QET Audience Chamber Phase 1 & 2 Design	\$600	\$590	\$0	,	,		Design completed.	
QET/Playhouse Acoustic Separation	\$5,920	\$5,892	\$0	,	Nov, 06	On Schedule	Project complete.	
QET Re-development - Lobbies, Auditorium, Plaza	\$48,500	\$27,834	\$0	, 06	Nov, 09	Reset	85% of construction scope was completed in 2007: - Construction documents completed - Sub-trade tenders completed - Limited scope components under construction summer 2008	- Remaining 15% of construction scope deferred to summer 2008; currently in progress - Phase 2 scheduling is currently under review to confirm timing of construction implementation - 2008 lead abatement scope/impact yet to be determined
Orpheum Restoration and Refurbishment	\$5,500	\$5,500	\$0	, 08	Dec, 09	Pending		Work commenced in 2008 and is expected to be completed in 2009.
Orpheum seat refurbishment	\$575	\$370	\$0	Apr, 05	,	Pending	105 seats completed.	Work was not satisfactory. Consultant is currently preparing design and estimates to proceed with this work in 2009. Staff will prepare a report to Council to request transfer of funds from Orpheum Theatre Restoration and Refurbishment Capital Budget to cover additional costs, if necessary. (Exact amount will probably not be known until the end of 2008.)

PROGRAM: CULTURAL REINVESTMENT/OLYMPIC LEGACY FUND

OBJECTIVES: Funding provision for renewal of major cultural facilities or provision of other Olympic legacies when senior government or community partner funding can be leveraged.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Cultural Reinvestment/Olympic Legacy Fund	\$1,000	\$962	\$0	,	,	Pending		Projects to be considered on a case-by-case basis subject to approval.

ONGOING COMMUNITY SERVICES PROGRAMS/PROJECTS

PROGRAM NAME: OTHER COMMUNITY SERVICES PROJECTS

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (12/31/06) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Mountain View Cemetery Re-development	\$21,176	\$5,980	\$0					See comments on major project components below.
- Buildings Re-development	\$10,835	(\$117)	\$0	Aug, 06	Sep, 08	Extended	Two of three buildings complete	Third building near completion then final landscaping
- Phase I Landscape and Interment Improvements	\$4,141	\$51	\$0	Aug, 06	Sep, 08	Extended	Substantial completion achieved June 2008	Final landscaping and interment elements to be completed by September 2008
- Phase II Landscape and Interment Improvements	\$3,400	\$3,400	\$0	Apr, 09	Apr, 10	Pending	Construction and tender package completed	Tender date to be determined based on need and Phase I initial sales volume
- Phase I Field of Honour Improvements	\$800	\$646	\$0	Sep, 07	Dec, 09	Extended	Construction drawings prepared; tender documents at final review stage	Tender delayed until early 2009 due to other project work underway
- Phase II Field of Honour Improvements	\$2,000	\$0	\$0	Apr, 10	Oct, 10	Extended		Phase II work tentatively scheduled for 2010. Construction drawings yet to be completed.
Urban Native Youth Centre	\$2,500	\$495	\$0	,	,	Pending	Site acquired in 2005 for the purpose of building a multi-purpose "hub" facility to provide urban aboriginal youth services.	Project pending funding commitment from senior governments. In May 07, Council approved return of UNYA's \$450K contribution that was used for site acquisition to cover their operating deficit, continue with the capital campaign, and fund development and construction costs for the project.
Little Mountain Neighborhood House Redevelopment	\$5,115	\$4,601	\$0	,	,	Pending	Schematic design completed.	Project on hold pending negotiations with BC Housing on integration into the Little Mountain Housing Redevelopment Project as an amenity contribution. Report back to Council on project scope and final funding strategies in fall 2008.
Hastings Park (PNE) Pacific Coliseum/Forum Rehabilitation	\$2,051	\$2,051	\$0	Apr, 08	Dec, 08	On Schedule		Work commenced in spring 2008: replace Pacific Coliseum roof replace Forum roof upgrade Forum heating systems upgrade Forum washrooms and change rooms

PROGRAM: LIBRARY FACILITIES

OBJECTIVES: Replacement of aging facilities for the Vancouver Public Library that are beyond economic repair and/or no longer meet operational needs, including the construction of a new branch that provides a full range of library services for the DTES Strathcona community; and ongoing enhancements, renewal, and refurbishment of Central and branch libraries

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Strathcona/DTES Branch	\$2,500	\$684	\$0	,	,	Pending	Potential site acquired in 2007 for \$1.8M.	The 2006-2008 Capital Plan provided \$2.5M for site acquisition and planning for the new library. The 2009-2011 Capital Plan has contemplated additional \$14.8 million for the construction of the library and potentially social housing and childcare. A potential site was acquired in 2007 for \$1.8M and acquisition of additional site(s) may be required. Staff will report back on project scope and funding strategies in 2009.

PROGRAM: INFORMATION TECHNOLOGY

SUB-PROGRAM: IT Infrastructure Expansion and Replacement (excl. Access Vancouver - VoIP)

OBJECTIVES: Life-cycle replacement of obsolete IT infrastructure and expansion of existing IT infrastructure to maintain or improve service levels across the organization encompassing: 1) "Front-end" devices - desktop and laptop computers, handheld devices like Personal Digital Assistants (PDAs), and telephones; 2) "Back-end" systems - data storage, application servers, and telephone switches; and 3) Communications network that permits information retrieval by, and communication between, both staff and public.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
2005 PC Replacement	\$1,790	\$946	\$904	Jan, 06	Dec, 08	On Schedule	Replacement of VPL and VPD equipment, and most of City equipment, that is 4 years or older completed. Balance of City equipment up for replacement to be completed by end of 2008.	Finish replacement of remaining 4-years-and-older City PC's.
Telecom Infrastructure	\$945	\$89	\$0	Jan, 06	Dec, 08	On Schedule	Fibre network expansion completed.	Wireless telecom infrastructure to be completed.
2005 Email & Server Replacement	\$1,120	\$186	\$0	Jan, 06	Dec, 08	On Schedule	Upgrades to email hardware and software completed; Obsolete servers replaced; Identified outstanding databases and applications to be included in plan to retire mainframe.	Additional hardware and software exchange upgrades as required; Continue server replacement program.
Systems Management Implementation	\$650	\$590	\$0	Jan, 06	Dec, 09	Reset	Web analysis	Business case to be finalized and approved; recommendations to be implemented.
2005 IT Security	\$600	\$460	\$0	Jan, 06	Dec, 08	On Schedule	Web filtering	Analysis of access and logging security initiatives, including implementation of integrated solution for collection and analysis of system/device log data
2007 PC Replacement	\$7,125	\$6,702	\$0	Jun, 07	Dec, 09	On Schedule	Project plan, RFP, and selection of supplier completed.	Lifecycle replacement of equipment (4 years for PCs, 6 years for monitors)
2007 Server Replacements	\$500	\$263	\$0	Jun, 07	Dec, 09	On Schedule	Obsolete servers replaced.	Program to continue.
2007 Backup servers	\$310	\$212	\$0	Jun, 07	Dec, 09	On Schedule		Establish VPD backup systems at E-Comm
2007 Backup Systems Upgrades	\$695	\$267	\$0	Jun, 07	Dec, 08	On Schedule	Data protection storage repository upgraded from tape media to disk technology.	Scale disk capacity to provide adequate room for planned growth.
2007 SQL Database Upgrades	\$298	\$234	\$0	Apr, 07	Dec, 09	On Schedule	Hardware acquired for SQL 2005 test and production environments.	Upgrade all existing databases and implement reporting module.

PROGRAM: INFORMATION TECHNOLOGY (CONT'D)

SUB-PROGRAM: SAP Evolution (excl. IMS - SAP PS/IM/BI)

OBJECTIVES: Continual system stabilization, enhancement, and upgrades, and expansion of the system to applicable business areas.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
SAP E-Recruiting	\$613	\$300	\$0	May, 08	Feb, 09	On Schedule	Project Preparation (charter, consulting contract, high level project plan)	System Design, System Build/Test, Documentation, End User Training, Go Live

SUB-PROGRAM: Other System Applications Projects

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Infrastructure Management Strategy	\$10,239	\$3,173	\$0				Hybrid solution and funding approved by Council in September 06.	Cross-project coordination, system and business process integration discussions, and change management ongoing. See comments on project components.
- Hansen	\$8,641	\$2,079	\$0	Sep, 06	Jun, 10	On Schedule	<ul style="list-style-type: none"> Contract awarded to Autodesk Hansen Software procured and installed As-is and to-be documentation and validation Schedule re-baselined post strike Release 1: commenced business requirement refinement 	<ul style="list-style-type: none"> Multiple releases - R1, 2, 3 - scheduled for Apr 2009 to Q2 2010 Release 1: Ongoing requirement refinement; system configuration; GIS application and data migration requirements; reporting requirements Release 2: Requirements gathering commenced
- SAP PS/IM Modules	\$1,009	\$680	\$0	Mar, 07	Jan, 09	On Schedule	Project Preparation, Blueprint Signoff, DEV/QAS Systems Tested, Master Data Go Live, Planning Go Live	Data Cleanup, QAS Retested, End User Training, Transactional Go Live SAP PS/IM implementation is expected to be completed under budget due to significant savings on backfilling and consulting costs, and not having to use the contingency funding included in the project budget. The surplus funds will be allocated towards other SAP development initiatives such as the rollout of the SAP Portal, licensing of SAP to more staff, and development of improved reporting.
- SAP BI Module	\$589	\$414	\$0	May, 08	Jul, 09	On Schedule	Project Charter	System Design, System Build/Test, Documentation, Training, Go Live.

PROGRAM: INFORMATION TECHNOLOGY (CONT'D)

SUB-PROGRAM: Other System Applications Projects

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Tempest - Revenue Billing	\$4,633	\$141	\$0	Oct, 05	Dec, 07	On Schedule	All phases of the project are complete and currently in sustainment mode maintained by CUBES Team: Phase 1 - Automation of mail opening and imaging, and remittance processing went live in May 05. Phase II - New billing and collection system for tax, utility, and bylaws, and new cash system went live April 06. Phase 3 - Images integrated with the billing system; annual software release tested and implemented, including new version of Oracle.	
Prism Replacement - License/Permit	\$2,713	\$2,407	\$0	,	,	Extended		Project timeline to be determined pending software selection and tendering if required; followed by detailed project planning; project staffing; hardware and software purchase; system design and analysis; implementation, testing, and data conversion; go live.
Corporate Risk Data Management	\$300	\$296	\$0	May, 06	Dec, 09	Extended	Requirements assessment; Claims Management Process Flow documentation; Gap Analysis; Design workshops with IMS and SAP; Claims Management System RFQ	Design and implement reports; test Contract/Agreement Management implementation; test Property/Asset Tracking implementation; design and implement Claims Management System

PROGRAM: CIVIC FACILITIES MAINTENANCE AND UPGRADES

SUB-PROGRAM: Civic Properties Maintenance Program

OBJECTIVES: Life-cycle replacement of building envelope, mechanical, heating and ventilation systems, interior surfaces, and minor structures.

Capital Sub- programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Roof Replacement Program	\$496	\$205	\$0	Apr, 05	Dec, 08	On Schedule	Re-roofing completed for Firehalls #7, #8, and #19.	Vancouver Art Gallery re-roofing - A consultant is currently preparing roof replacement specifications and the project will be tendered shortly.
Fire Suppression System at 312 Main Police office	\$450	\$450	\$0	,	,	Cancelled	Project as originally planned has been cancelled – consultant reviewed original scope and determined that it does not reflect current code requirements with regards to asbestos removal, staff relocation, sprinkler upgrades.	Funding requirement under review based on VPD priority needs.
Mechanical / Elevator Upgrades	\$845	\$491	\$0	Jun, 08	Dec, 09	Extended	Elevator Upgrades: Consultant scoped out projects; Police Annex elevator upgrade completed.	Elevator Upgrades: City Hall elevator; Orpheum accessibility lift and passenger elevator projects on hold pending completion of Orpheum extra bookings due to QET construction. Mechanical Upgrades: City Hall piping
HVAC	\$558	\$336	\$0	Jun, 08	Dec, 09	Extended	312 Main VSD's (Variable Speed Drives)	Library Square VAV's (Variable Air Volume controllers); Gathering Place heat pumps
Flooring and Ceiling Program	\$705	\$585	\$0	Jun, 08	Dec, 09	Extended	Program priorities established. Completed projects: Carnegie; 312 Main; Maritime; 3120 Cambie	Design for priority projects underway; tender and construction to follow. Major projects include Library Square and Orpheum.
Exterior/Interior Repairs & Refurbishment	\$1,187	\$819	\$0	Jun, 08	Dec, 09	Extended	Program priorities established. Completed projects: Museum Phase 1 caulking and sealing; City Hall East Wing Plaza irrigation.	Outstanding projects to be scoped out and tendered: VPD Parkade; Library Square caulking; parkade gates
City Hall Windows	\$450	\$430	\$0	Nov, 06	Dec, 09	Extended	Survey and specifications for windows	Prioritize work plan and develop estimates; resolve energy vs. heritage issues; tender and construction to follow.

PROGRAM: CIVIC FACILITIES MAINTENANCE AND UPGRADES (CONT'D)

SUB-PROGRAM: Environment Maintenance Program

OBJECTIVES: Removal, disposal, and elimination of hazardous materials from City-owned properties to comply with WCB regulations, and to promote and provide a safe work environment for City staff and the public.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Asbestos Abatement	\$600	(\$37)	\$0	Jan, 06	Dec, 08	On Schedule	Completed projects: City Hall, VPD, Engineering facilities.	Program to continue. Outstanding projects include VPD Jail. Projected shortfall due to work in coordination with the Woodward's projects. Funding shortfall to be covered by 2008 budget allocation.

SUB-PROGRAM: City Hall Precinct and Other Facility Upgrades

OBJECTIVES: Renovations and upgrades to office facilities to accommodate operational needs and changing priorities, and enhance public access.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
City Hall Precinct Upgrades	\$2,074	\$1,298	\$0	,	May, 09	Extended	Preliminary design complete for 7 th and 10 th floors Multi-phased 2 nd and 3 rd floors 90% complete Security office renovation completed	Tender and construction for 7 th and 10 th floors Deficiencies for 2 nd and 3 rd floors Various renovation projects (e.g., HR Training Rooms)
City Hall Cycling Facility Improvements	\$360	\$339	\$0	Nov, 07	Dec, 08	Extended	Breezeway bike cage completed; 60 lockers orders	New shower facilities; install new lockers
Relocate IT Server Room at E-COMM	\$900	\$181	\$0	,	Dec, 08		Relocation substantially complete; awaiting four server racks	Server racks
Non-Profit Capital Asset Maintenance	\$700	\$588	\$0	May, 06	Dec, 08	Extended	Facilities assessment completed. Completed projects: Flooring at Marpole Place; emergency repairs at various locations.	Tender and construction based on established priorities. Planned projects include Envelope at Marpole Place. Develop NPO (Non-Profit Organizations) workplan -- prioritize capital maintenance needs for non-profit facilities

PROGRAM NAME: GREEN HOUSE GAS REDUCTION PROGRAM

POLICIES: The Definition and Principles of Sustainability (2002) guides, prioritizes and improves the sustainability of City actions and operations. The Corporate Climate Change Action Plan (2003) set the 2010 target of a 20 percent reduction (or 9,000 tonnes), below 1990 levels, in corporate Green House Gas (GHG) emissions.

OBJECTIVES: Reduction of corporate GHG emissions by undertaking capital upgrade projects that retrofit civic facilities with more energy-efficient technologies that result in a more energy-efficient operation.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
GHG Reduction - Museum/Planetarium	\$300	\$103	\$0	Jan, 05	Dec, 09	Pending	Project 60% completed.	Work to be coordinated with museum renovations, resulting in lengthy timeline. Remaining projects have been added to Phase 3 ESCO project (approved by Council July 2008).
GHG Reduction - Firehalls	\$540	\$95	\$0	Jan, 05	Dec, 08	On Schedule	Project 95% completed.	Minor finishing work.
Miscellaneous Energy Efficient Projects - Various Facilities	\$425	\$67	\$0	Jan, 05	Jun, 09	Extended	Project 75% completed.	Project to continue. Due to staff turnover, project completion delayed.
City Hall Energy Performance Contract	\$1,820	\$57	\$0	Jan, 06	Dec, 07	On Schedule	Work 100% complete; verification required for next three years	Ongoing monitoring.
Park Board Energy Performance Contract	\$8,635	\$934	\$0	Sep, 07	Mar, 10	On Schedule	20% complete	Project to continue.
Library Square	\$200	\$183	\$0	Jan, 05	Feb, 10	Pending	Project mostly completed.	Remaining projects will be added to Phase 3 ESCO project which will be submitted to Council July 2008

PROGRAM: ACCESS VANCOUVER PROGRAM

SUB-PROGRAM: 311 Citizen Service Centre

OBJECTIVES: Implementation of a 311 Citizen Service Centre to enhance public accessibility to City services and information through a single point-of-access. The 311 Citizen Service Centre is anticipated to “go live” in spring of 2009 and be staffed with 35 fully-trained Citizen Service Representatives.

SUB-PROGRAM: Electronic Records and Document Management System (ERDMS) - VanDocs

OBJECTIVES: Implementation of an enterprise ERDMS to enable the City to efficiently manage all records and documents. The system will facilitate effective document security, retrieval, and retention of City records and provide a means of collaboration.

SUB-PROGRAM: Voice over Internet Protocol (VoIP) - VanPhone +

OBJECTIVES: Replacement of the City’s existing telephone systems with a single, integrated, in-house system based on VoIP technology to achieve cost savings, operational efficiency, and improved customer service. In support of the 311 implementation, a VoIP-based citywide phone system will facilitate forwarding of calls and voice-mails throughout the organization and integration between phone and computer systems.

Capital Sub-programs/Projects Exceeding \$300,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
311 Public Access Initiative	\$12,300	\$9,197	\$0	Jan, 07	Jun, 10	On Schedule	Business case approved by Council; contract awarded for system procurement; Call Centre location selected, approved, and lease agreement completed; architect appointed, and construction and furniture contracts awarded. System design, configuration, training and testing in progress	Site renovation and setup; configuration of remaining processes; Contact Centre staff hiring; user training; acceptance testing. Implementation in phases: Soft Launch (Jan 2009) Hard Launch (June 2009) Phase III (June 2010)
Electronic Records and Data Management System	\$1,706	\$1,234	\$0	Jan, 07	Jun, 10	On Schedule	Business case approved by Council; project manager appointed; Stage III of RFP/Vendor selection process completed. Vendor selected and contract awarded.	Enterprise planning and development of roll out schedule; System design, configuration and testing for model office (pilot); Training of technical staff and user staff. Enterprise implementation using a phased approach.
Voice Over Internet Protocol	\$7,025	\$4,064	\$0	Jan, 07	Dec, 10	On Schedule	Business case approved by Council; project manager appointed; Request for Proposal evaluations, contract negotiations and award of contract, and preliminary system design completed; Core and Phase 1 site equipment ordered.	Install and test core equipment; install and test pilot site (Corporate IT); pilot site Go-Live. Install and test 311 Contact Centre equipment; 311 Contact Centre Go-Give. Install, test, and Go-Live for remaining fibre-optic-connected sites.

OTHER ONGOING CAPITAL PROJECTS

PROGRAM NAME: OTHER CAPITAL PROJECTS

SUB-PROGRAM: Woodward's Re-development (incl. Affordable Housing and Childcare)

OBJECTIVES: Re-development of the Woodward's building that involves the community in the design and planning to revitalize the Downtown Eastside in a way that is socially, environmentally and economically sustainable.

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
Woodward's Development (excl. Affordable Housing and Childcare)	\$7,600	\$820	\$0	,	Dec, 09	On Schedule	Completed work: Land acquisition and demolition; excavation, shoring, and foundation work; soil and asbestos remediation and other site servicing work; underground areaway and underground tank removal.	Construction underway. Development of the City's 31K Sq Ft airspace parcels to tenant improvement stage being provided in return for the Woodward's site owned by the City. Project to complete in December 07. Staff to report back to Council on project status by end of 2007.
Woodward's Affordable Housing	\$5,000*	\$5,000	\$0	,	Jun, 07	On Schedule	Funds released in June 2007 to developer through BC Housing, which oversees development and construction of the affordable housing components.	
Woodward's Childcare (DCL funding)	\$1,665	\$1,665	\$0	,	Dec, 09	On Schedule		Construction underway. Foundation work began May 2008; Purchase agreement (which will establish City's share of costs to be charged to this project) almost complete. NOTE: Budget is based on an early estimate; additional funding may be required, in which case a separate report to Council will be prepared.
Woodward's Childcare - Consultant (Capital Plan funding)	\$155	\$155	\$0	May, 07	Dec, 09	On Schedule	Consultancy contract awarded.	Preliminary design work began June 2008, to be completed by Aug 2008; remaining design work will continue through to completion of project

*Note: Budget presented above does not include PEF funding of \$2.00 million.

PROGRAM NAME: OTHER CAPITAL PROJECTS (CONT'D)

SUB-PROGRAM: #1 Kingsway Joint-Use Facility

OBJECTIVES: Development of a new community facility in the Mount Pleasant neighborhood that features a community centre, library, child care centre, rental housing, and underground parking.

Capital Sub-programs/Projects Exceeding \$500,000	Budget (\$'000)	Balance (3/31/08) (\$'000)	Projected Variance Upon Completion (\$'000)	Planned		Status	Project Milestones, Deliverables, Action Steps	
				Start	End		Completed	To Be Completed
#1 Kingsway Joint Use Project *	\$23,954	(\$3,212)	\$0	Jan, 03	Jun, 09	Extended	Completed work: Land acquisition and demolition; consultant design and contract documentation. Construction - 70% completed as of March 31, 2008	Construction underway. Consultant services ongoing including construction review, payment certification, and equipment coordination. Utilities connections, and procurement of furniture, equipment, climbing wall, and signage to complete. Projected variance related primarily to architectural, environmental (soil contamination) issues, and extended construction period. To be offset by contingency allowance.

*Note: Budget presented is net of PEF funding of \$26.45 million. Current deficit reflects timing differences related to periodic funding transfers from PEF to this project. No final overall funding variance is currently anticipated.