



ADMINISTRATIVE REPORT

Report Date: January 9, 2010
Contact: Annette Klein
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RTS No.: 8492
VanRIMS No.: 08-2000-20
Meeting Date: January 21, 2010

TO: Standing Committee on City Services and Budgets
FROM: General Manager of Financial Services/Director of Finance
SUBJECT: Request for Approvals in Advance of the 2010 Capital Budget

RECOMMENDATIONS

- A. THAT Council approve the requests for approvals in advance of the 2010 Capital Budget (projects and funding) as summarized in the body of the report and in the Appendices in the amount of \$134,171,500, with the source of funds as follows:

City Funding \$87,863,900 as follows:

- i. \$1,012,000 from Capital from Revenue;
- ii. \$60,975,600 from 2010 borrowing authority;
- iii. \$6,250,000 from City Wide DCL;
- iv. \$3,060,000 from CAC;
- v. \$974,000 from the Parking Sites Reserve;
- vi. \$3,681,300 to be provided by interim financing from the Capital Financing Fund on terms acceptable to the Director of Finance;
- vii. \$5,869,000 from reallocations of previously approved Capital budgets as outlined in Appendix 2;
- viii. \$6,042,000 other City funding as summarized in the body of the report and detailed in Appendix 1;

External Funding \$46,307,600 as follows:

- ix. \$36,520,100 Federal infrastructure stimulus funding;
- x. \$2,000,000 Recreational infrastructure Canada funding;
- xi. \$7,787,500 in other external funding as summarized in the body of the report and detailed in Appendix 1.

- B. THAT Council approve an increase in overall 2009-2011 Capital Plan borrowing authority in the amount of \$1,400,000 for the Neighbourhood Energy Utility Distribution System Extension project (included in borrowing authority requested in Recommendation A ii).
- C. THAT under Section 245(3) Council approve a variation of borrowing authority as outlined in Table 2 of the report in the amount of \$8,917,000.

A variation of borrowing authority requires 8 affirmative votes of Council.

GENERAL MANAGER'S COMMENTS

The General Manager of Financial Services recommends approval of the foregoing.

CITY MANAGER'S COMMENTS

The City Manager recommends approval of the foregoing.

COUNCIL POLICY

It is Council policy to plan for capital expenditures on a multi-year cycle. Capital Plans are developed in 3-year terms in order to match the term of Council, and allow for a borrowing plebiscite to be held in conjunction with the civic election.

Funding from the three year Capital Plan is allocated to specific Capital Programs through the annual Basic Capital Budgeting process. Council approval of the annual Basic Capital Budget is required before work can proceed on specific programs/projects.

Council's policy for capital works is to fund sewer and water capital expenditures from debenture borrowing and to fund the balance of capital expenditures from a combination of debenture borrowing, contributions from the Operating Budget ("Capital from Revenue"), Development Cost Levies ("DCLs"), Community Amenity Contributions ("CACs"), and contributions from senior governments and third parties.

Sections 236 and 242 of the Vancouver Charter give Council the authority to approve borrowing authority for capital expenditures related to the development of water, sewer and energy utility systems 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.

A "variation of borrowing authority", which involves changing previously approved plebiscite question categories, requires 8 affirmative votes of Council per Section 245(3) of the Vancouver Charter.

In June 2003, Council approved the Financing Growth Policy which set out policy for the collection and use of DCLs and CACs. The allocation of both DCL and CAC funding to specific amenities is approved by City Council.

- DCLs assist in recovering capital-related growth costs that arise from new developments. DCLs are generally allocated on a "cash available" basis among park,

replacement housing, transportation, and childcare projects in proportions specified in the DCL Bylaw.

- CACs are developer contributions that arise from rezonings and which are directed toward the cost of public amenities in the area affected by the rezoning.

City Council approves Capital projects and priorities including approvals in advance of the Capital Budget.

PURPOSE

The purpose of this report is to seek Council approval for projects in advance of the 2010 Capital Budget including:

- Projects receiving Federal Infrastructure Stimulus funding;
- Projects receiving Recreational Infrastructure Canada funding;
- Other projects of a time critical nature (Easy Park Capital Requests, Trout Lake Community Centre Renewal).

BACKGROUND

There are three categories of capital projects that need approval from Council in advance of the 2010 Capital Budget: Federal Infrastructure Stimulus funding; Recreational Infrastructure Canada funding; and other projects of a time critical nature. These projects are summarized in the body of the report and detailed, including specific funding reallocations, in Appendix 1 and 2.

A. Federal Infrastructure Stimulus funding:

Infrastructure Stimulus funding is an important part of the Government of Canada's Economic Action Plan which provides a timely, targeted and temporary stimulus to the Canadian Economy. This funding is to be used for the rehabilitation or construction of Provincial, Territorial, Municipal, and Community Infrastructure Projects, and more specifically will focus on the rehabilitation of existing and new infrastructure that can begin and be completed by March 31, 2011.

The Federal Government has agreed to provide funding in the amount of \$36.5 million for City projects which is in addition to two projects that have received advanced approval (Police Property and Forensic Storage Building RTS 8401 (\$10 million federal, \$10 million provincial), and the Multi Cultural Helping House RTS 8046 (\$500,000 federal). This brings overall Federal Infrastructure Stimulus funding to be included in the City's Capital Budget up to \$47 million.

The Federal program is generally outlined as follows:

- The Federal Government has agreed to match City funding at 33% (with the exception of 5 Stanley Park projects which are funded at 50%);
- Federal infrastructure stimulus funding must be used toward eligible capital construction costs of approved infrastructure projects. Eligible costs are considered to be direct and necessary for the successful implementation of a project and do not include employee

wage and benefits for permanent employees. As a result, to maximize the available Federal funding, all projects must be contracted out with the exception of two Engineering projects (Upper Trout Lake West Sewer Separation, and Upper Trout Lake East Sewer Separation) which the Federal Government exempted from this requirement.

Staff will monitor each of these projects to determine the best use of external versus internal staff in order to maximize the federal contribution and if adjustments are necessary to the program these changes will be reported as part of the 2010 Capital Budget by mid 2010.

B. Recreational Infrastructure Canada Program funding:

The Recreational Infrastructure Canada program provides funding to be used to invest in recreation facilities across Canada over a two-year period. It is a national initiative that will provide temporary economic stimulus that will help reduce the impacts of the global recession while renewing, upgrading and expanding recreation infrastructure in Canadian Communities. Projects approved under this program can receive up to \$1 million in Federal funding which will normally represent one-third of project costs.

C. Critical Capital Requests:

The Trout Lake Community Centre Renewal project also requires advance approval of funding in order to ensure the renewal project can be completed on time in the fall of 2011. Funding in 2009 has led to the hiring of an architectural consultant, the approval of a schematic design, a revised cost estimate, and a Development Permit application. The current funding request will allow the following steps to be completed: obtaining a Building Permit, selecting a contractor, tendering the project (current favorable market conditions), and construction.

Easy Park has responsibility and independence in the operation of the City's off-street parking facilities. In 2010, Easy Park has a number of time sensitive, critical capital requests and as such these requests require approval to proceed as soon as possible.

DISCUSSION

Approvals In Advance of the 2010 Capital Budget

2010 Budget \$134.2 million

The sections below will provide a summary of the requests for Engineering, Parks, and Civic Property Management. These requests are broken out as follows:

- Requests receiving Federal Infrastructure Stimulus funding;
- Requests receiving Recreational Infrastructure Canada funding;
- Critical capital requests.

Appendix 1 provides a listing of each project with a breakdown of funding by source; Appendix 2 provides a listing of each project and includes the detailed project description/scope of work, and funding reallocations.

All projects described in this report will be presented as part of the overall 2010 Capital Budget report which will be presented later in 2010.

Table 1 below provides a summary of the requests for approval in advance of the 2010 Capital Budget by program/project area and differentiates between program/project areas receiving Federal Infrastructure Stimulus funding, Recreational Infrastructure Canada funding, and critical capital requests.

Table 1: Summary - Approvals in Advance of the 2010 Capital Budget by Type (000's)					
Ref #	Department	Gross 2010 Requested	Federal Infrastructure Stimulus Requests	Recreational Infrastructure Canada Requests	Critical Capital Requests
CAPITAL PLAN					
Utilities					
D	PUBLIC WORKS - SEWERS	25,000	25,000	0	0
F	PUBLIC WORKS - WATERWORKS	9,500	9,500	0	0
	Total Utilities	34,500	34,500	0	0
Other Public Works					
A	PUBLIC WORKS - STREETS	15,000	15,000	0	0
	Total Other Public Works	15,000	15,000	0	0
Other Engineering					
	NEU	2,100	2,100	0	0
	EASY PARK	1,062	0	0	1,062
	LANDFILL	2,400	2,400	0	0
	Total Other Engineering	5,562	4,500	0	1,062
	Total ENGINEERING	55,062	54,000	0	1,062
P-S	PARKS & RECREATION	64,150	36,400	9,000	18,750
W	CIVIC PROPERTY MANAGEMENT	14,960	14,960	0	0
	TOTAL	134,172	105,360	9,000	19,812

A. Federal Infrastructure Stimulus Projects 2010 Budget \$105.4 million

The following provides a summary of the requests for approvals related to the Federal Infrastructure Stimulus program in advance of the 2010 Capital Budget for Engineering, Parks, and Civic Facilities:

Engineering 2010 Budget \$54.0 million

Engineering is requesting approval for \$54.0 million of Capital work related to the Federal Infrastructure Stimulus program. The sections below provide a listing of projects while detailed project descriptions, scope of work, and funding can be found in the Appendices.

Sewers \$25 million

Consists of 3 Main Sewer Reconstruction Projects as follows:

- Greening English Bay Interceptor - \$5 million;
- Upper Trout Lake West Sewer Separation - \$10 million;
- Upper Trout Lake East Sewer Separation - \$10 million.

Waterworks \$9.5 million

Consists of 3 Waterworks Distribution Projects as follows:

- Distribution System Pressure Reducing Valves Replacement - \$2 million;
- Distribution Main Replacement Kitsilano and Point Grey - \$2.5 million;
- Distribution Main Replacement Kerrisdale and Fairview - \$5 million.

Streets

\$15 million

Consists of 4 Streets Projects as follows:

- Disability Access Curb Ramps - \$2 million;
- Major Maintenance of City Bridges, Grandview Viaduct Rehabilitation Phase 1, Bearing and Expansion Joint Replacement - \$2 million;
- New Pedestrian Collector Sidewalks - \$5 million;
- Major Streets Network 41st Avenue Rehabilitation Project - \$6 million.

Neighbourhood Energy Utility (NEU)

\$2.1 million

Consists of 1 request as follows:

- Distribution Line Extension which involves the extension of the NEU Thermal Energy Distribution system - \$2.1 million.

This request requires an increase in borrowing authority that was not included when the 2009-11 Capital Plan was developed. This enables the City to fund its share of the project (\$1.4 million per Recommendation B).

Landfill

\$2.4 million

Consists of 2 requests as follows:

- Pump Station Upgrades which involves increasing the capacity and improving the reliability of the pump station located at the Vancouver Landfill - \$1.4 million;
- Water Line Extension which involves the extension of the waterline along the southern perimeter of the site - \$1 million.

Source of Funds Summary

The gross Capital Budget for these requests is \$54.0 million. The specific source of funds for these projects is summarized as follows:

City Funding - \$35 million:

- 2010 Borrowing Authority - \$29.1 million;
 - Includes \$1.4 million of additional borrowing authority for the NEU;
- Interim financing from the Capital Financing Fund (CFF) - \$.3 million;
- Reallocation of Existing Capital - \$4.3 million;
- Other funding - \$1.3 million;

- Previously approved city capital for Landfill Pump Station Upgrades - \$625,000;
- Previously approved city capital for Landfill Water Line Extension - \$667,000.

External Funding - \$19 million:

- Federal infrastructure stimulus funding - \$18 million.
- Translink MRN OMR - \$1 million.

Parks

\$36.4 million

There are 10 Parks Projects receiving Federal Infrastructure Stimulus funding as follows:

- Stanley Park Pavilion and Fieldhouse Upgrades - \$.5 million;
- Stanley Park Malkin Bowl Performance Centre Upgrade - \$.6 million;
- Queen Elizabeth Park Road Repaving - \$1 million;
- Stanley Park Sewer Pump Station Upgrades - \$1 million;
- Roundhouse Community Centre Turntable Plaza Rehabilitation - \$1.8 million;
- Park Lighting Infrastructure/Fieldhouses - \$2.1 million;
- English Bay Seawall Improvements, English Bay to Sunset Beach - \$3 million;
- Stanley Park Road Repaving, Sections of Park Drive and Pipeline Road - \$3 million;
- Stanley Park Seawall and Brockton Point Lighthouse Rehabilitation - \$4 million;
- Van Dusen Botanical Garden Building Renewal - \$19.4 million.

Source of Funds Summary

The gross Capital Budget for these requests is \$36.4 million. The specific source of funds for these projects is summarized as follows:

City Funding - \$16.2 million:

- 2010 Capital from Revenue - \$1 million;
- 2010 Borrowing Authority - \$7.8 million;
- CAC - \$1.1 million;
- Reallocation of existing capital - \$1.57 million;
- Other Funding - \$4.75 million:
 - Previously approved city capital for Van Dusen - \$4.05 million;
 - Revenue collected from renting out the Roundhouse Community Centre during Olympics for Roundhouse Turntable Plaza Rehabilitation Project - \$.45 million;
 - Contribution to the Park Board from BC Transmission Corporation for their work at David Lam Park in 2009 - \$.25 million.

External Funding - \$20.2 million:

- Federal infrastructure stimulus funding - \$13.5 million;
- Van Dusen:
 - Van Dusen Botanical Garden Association - \$4.7 million (\$1.75 million reported in 2008 Capital Budget, plus additional \$2.95 million in 2010);
 - Provincial Government - \$2 million (originally reported in 2008 Capital Budget).

The section below provides a summary of projects receiving Federal Infrastructure Stimulus funding. Detailed project descriptions, scope of work, and funding re-allocations can be found in the Appendices.

There are 4 projects receiving federal infrastructure stimulus funding as follows:

- City Hall Heritage Exterior Upgrades - \$2.9 million;
- Orpheum Upgrades and Capitol 6 Interface and Finish - \$3 million;
- Carnegie Centre Windows and Heritage Work - \$4 million;
- Queen Elizabeth Theatre Plaza Improvements - \$5.1 million.

Source of Funds Summary

The gross Capital Budget for all Civic Property Management requests is \$15 million. The specific source of funds for these projects is summarized as follows:

City Funding - \$10 million:

- 2010 Borrowing Authority - \$4.6 million;
- CAC - \$2 million;
- Interim financing from the Capital Financing Fund (CFF) - \$3.4 million;

External Funding - \$5 million:

- Federal infrastructure stimulus funding - \$5 million.

Variation of Borrowing Authority (Parks & Civic Property Management Projects):

In order to provide the City's share of funding for some of the Federal Infrastructure Stimulus projects for Parks and Civic Property Management, funding reallocations requiring a variation of borrowing authority is required. This requires 8 votes of Council (Recommendation C).

As reported in RTS 8505 "Approval of Funding in Advance of 2010 Capital Budget: Conversion of the Vancouver Olympic/Paralympic Centre at Hillcrest Park into the new Riley Park Community Centre, Riley Park Ice Rink, Vancouver Curling Club and Riley Park Library" this project has projected surplus funding of \$2.1 million. As such, it is recommended that this funding be varied and used toward the projects described in Table 2 below.

In addition, the Police Property and Forensic Storage Building (approved in advance RTS 8401) received \$10 million in federal funding, \$10 million provincial funding and has therefore freed up borrowing authority which was initially allocated toward this project as part of the 2009-11 Capital Plan (question 2 Public Safety and Civic Facilities - Public Safety). As such, it is requested this funding be varied and used toward the projects described in Table 2 below.

Table 2: Variation of Borrowing Authority				
Project	Department	From Plebiscite Question	To Plebiscite Question	Amount
Queen Elizabeth Park Road Repaving (P9b)	Parks	3. Parks & Recreation (Recreation Facilities)	3. Parks & Recreation (Parks)	567,000
Stanley Park Road Repaving: Sections of Park Drive and Pipeline Road (P9b)	Parks	3. Parks & Recreation (Recreation Facilities)	3. Parks & Recreation (Parks)	1,500,000
Total from Q. 3 Parks & Recreation (Recreation Facilities/Riley Park)				2,067,000
Van Dusen Botanical Garden: New Visitors Centre (R1c)	Parks	2. Public Safety & Civic Facilities - Public Safety	3. Parks & Recreation (Recreation Facilities)	250,000
English Bay Seawall Improvements: English Bay to Sunset Beach (P7b)	Parks	2. Public Safety & Civic Facilities - Public Safety	3. Parks & Recreation (Parks)	2,000,000
Carnegie Centre: Facility Rehabilitation and Upgrading Program	Civic Facilities	2. Public Safety & Civic Facilities - Public Safety	2. Public Safety & Civic Facilities - Other Civic Facilities	2,666,700
Vancouver City Hall: Heritage Exterior Rehabilitation Project	Civic Facilities	2. Public Safety & Civic Facilities - Public Safety	2. Public Safety & Civic Facilities - Other Civic Facilities	1,933,300
Total from Q2. Public Safety & Civic Facilities - Public Safety (Police Building)				6,850,000
Total				8,917,000

B. Recreational Infrastructure Canada funding \$9 million

There are 2 Parks Projects receiving Recreational Infrastructure Canada funding as follows:

- Park Renewals: Fraserview, Grandview and Norquay Parks - \$3 million;
- Synthetic Turf Playfields, 2 new - \$6 million.

Source of Funds Summary

The gross Capital Budget for these requests is \$9 million. The specific source of funds for these projects is summarized as follows:

City Funding - \$7 million:

- 2010 Borrowing Authority - \$.7 million;
- DCL - \$6.3 million;
- Reallocation of existing capital - \$.025 million;

External Funding - \$2 million:

- Recreational infrastructure Canada funding - \$2 million.

C. Time Critical Requests \$19.9 million

The following provides a summary of time critical projects requiring approval in advance of the 2010 Capital Budget for Parks, and Engineering/Easy Park:

Park Capital - Trout Lake Community Centre Renewal \$18.8 million

Parks has one requested advance approval for the Trout Lake Community Centre Renewal. This request will allow the renewal to proceed immediately following the Olympic Games and to be completed within the anticipated schedule.

Funding of \$2.5 million for Phase 1 of the project was approved as part of the 2009 Capital Budget (not included in the \$18.8 million above). Phase 1 of the project allowed for the hiring of an architectural consultant, the approval of a schematic design, a revised cost estimate, and a Development Permit application. The current funding request will allow the following steps to be completed: obtaining a Building Permit, selecting a contractor, tendering the project (current favourable market conditions), and construction.

Source of Funds Summary

- The Capital Budget for these requests is \$18.8 million of which all is to be funded from 2010 Borrowing Authority.

Engineering - Easy Park \$1.1 million

Easy Park has 3 time critical projects that relate to major maintenance:

- 150 W. Pender Surface and Structural Repairs (Car Park #2) - Structural and surface deficiencies were identified in a recent report from a consulting engineer. As a result 60 parking stalls were closed. This project will undertake to remedy the highest priority items - \$.64 million;
- 17 E. Cordova Door and Hardware Repairs (Car Park #4) - This project will repair or replace damaged doors and door jambs in the parkade - \$.03 million;
- 1180 Mainland Membrane Replacement (Car Park #22) - Replacement of the membrane that protects the reinforcing steel in the concrete and prevents leakage and corrosion - \$.4 million.

Source of Funds Summary

The gross Capital Budget for Easy Park requests is \$1.1 million. The specific source of funds for these projects is summarized as follows:

City Funding - \$1 million:

- Parking Sites Reserve - \$1 million;

External Funding - \$0.1 million:

- Compensation for Canada Line construction damage (SNC Lavalin) - \$.1 million.

FINANCIAL IMPLICATIONS

Table 3 below provides a summary of the requests for approval in advance of the 2010 Capital Budget by program/project area by source of funds. Further details are provided in the Appendices.

Inherent financial risks with the Federal Infrastructure projects is the mix of eligible and ineligible project costs which may impact the sharing of costs between the City and Federal funding. This will be monitored closely and any deviations from the funding share outlined in Table 3 will be reported as necessary.

Table 3: Summary - Approvals in Advance of the 2010 Capital Budget (000's)											
Ref #	Department	Gross 2010 Requested	Capital from Revenue	Debenture	DCL/ CAC	Reserves	CFF*	Other*	Total City Funding	External	Federal Infrastructure Funding
CAPITAL PLAN											
Utilities											
D	PUBLIC WORKS - SEWERS	25,000	0	16,667	0	0	0	0	16,667	0	8,333
F	PUBLIC WORKS - WATERWORKS	9,500	0	5,029	0	0	0	1,304	6,333	0	3,167
	Total Utilities	34,500	0	21,696	0	0	0	1,304	23,000	0	11,500
Other Public Works											
A	PUBLIC WORKS - STREETS	15,000	0	6,025	0	0	0	2,975	9,000	1,000	5,000
	Total Other Public Works	15,000	0	6,025	0	0	0	2,975	9,000	1,000	5,000
Other Engineering											
	NEU	2,100	0	1,400	0	0	0	0	1,400	0	700
	EASY PARK	1,062	0	0	0	974	0	0	974	88	0
	LANDFILL	2,400	0	0	0	0	308	1,292	1,600	0	800
	Total Other Engineering	5,562	0	1,400	0	974	308	1,292	3,974	88	1,500
	Total ENGINEERING	55,062	0	29,121	0	974	308	5,571	35,974	1,088	18,000
P-S	PARKS & RECREATION	64,150	1,012	27,255	7,310	0	0	6,340	41,917	8,700	13,533
W	CIVIC PROPERTY MANAGEMENT	14,960	0	4,600	2,000	0	3,373	0	9,973	0	4,987
	TOTAL	134,172	1,012	60,976	9,310	974	3,681	11,911	87,864	9,788	36,520
* interim financing to be provided from the CFF.											
** includes Reallocation of existing capital and other (previously approved funding for a project, miscellaneous funding).											

CONCLUSION

This report provides a summary of the requests for approvals in advance of the 2010 Capital Budget. These requests consist of projects receiving Federal Infrastructure Stimulus funding, Recreational Infrastructure Canada funding, and time critical requests.

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Appendix 1 - Approvals in advance of the 2010 Capital Budget by Funding Source

DEPT	Sub-program/Project Name	Capital Budget Requested	Capital from Revenue	Borrowing Authority	DCL (City Wide)	CAC	Reserves	CFF*	Reallocation of existing Capital	Other	Total City Funding	Federal Infrastructure Funding	External
1A. Federal Infrastructure Stimulus Funding:													
ENGINEERING													
<u>Sewers</u>													
1	Main Sewer Reconstruction - Greening English Bay Interceptor	5,000,000	-	3,333,000	-	-	-	-	-	-	3,333,000	1,667,000	-
2	Main Sewer Reconstruction - Upper Trout Lake West Sewer Separation	10,000,000	-	6,667,000	-	-	-	-	-	-	6,667,000	3,333,000	-
3	Main Sewer Reconstruction - Upper Trout Lake East Sewer Separation	10,000,000	-	6,667,000	-	-	-	-	-	-	6,667,000	3,333,000	-
		25,000,000	-	16,667,000	-	-	-	-	-	-	16,667,000	8,333,000	-
<u>Waterworks</u>													
4	Distribution System PRV Replacement (Infrastructure Funding)	2,000,000	-	29,000	-	-	-	-	1,304,000	-	1,333,000	667,000	-
5	Distribution Main Replacement Kits & Point Grey (Infrastructure Prgm #1)	2,500,000	-	1,667,000	-	-	-	-	-	-	1,667,000	833,000	-
6	Distribution Main Replacement Kerrisdale & Fraserview (Infrastructure Prgm #2)	5,000,000	-	3,333,000	-	-	-	-	-	-	3,333,000	1,667,000	-
		9,500,000	-	5,029,000	-	-	-	-	1,304,000	-	6,333,000	3,167,000	-
<u>Streets</u>													
7	Disability Access - Curb Ramps Project	2,000,000	-	1,333,300	-	-	-	-	-	-	1,333,300	666,700	-
8	Major Maintenance of City Bridges - Grandview Viaduct Rehabilitation Phase 1: Bearing and Expansion Joint Replacement	2,000,000	-	558,300	-	-	-	-	775,000	-	1,333,300	666,700	-
9	New Pedestrian Collector Sidewalks Project	5,000,000	-	1,133,300	-	-	-	-	2,200,000	-	3,333,300	1,666,700	-
10	Major Streets - MRN - 41st Avenue Rehabilitation Project	6,000,000	-	3,000,000	-	-	-	-	-	-	3,000,000	2,000,000	1,000,000
		15,000,000	-	6,024,900	-	-	-	-	2,975,000	-	8,999,900	5,000,100	1,000,000
	Sub-total	49,500,000	-	27,720,900	-	-	-	-	4,279,000	-	31,999,900	16,500,100	1,000,000
NEU													
11	Distribution System Extension	2,100,000	-	1,400,000	-	-	-	-	-	-	1,400,000	700,000	-
		2,100,000	-	1,400,000	-	-	-	-	-	-	1,400,000	700,000	-
SOLID WASTE / TRANSFER AND LANDFILL OPERATIONS													
12	Pump Station Upgrades	1,400,000	-	-	-	-	-	308,000	-	625,000	933,000	467,000	-
13	Water Line Extension	1,000,000	-	-	-	-	-	-	-	667,000	667,000	333,000	-
		2,400,000	-	-	-	-	-	308,000	-	1,292,000	1,600,000	800,000	-
TOTAL ENGINEERING		54,000,000	-	29,120,900	-	-	-	308,000	4,279,000	1,292,000	34,999,900	18,000,100	1,000,000
PARKS													
14	Stanley Park: Pavillion and Fieldhouse Upgrades (Washrooms & Fieldhouses)	500,000	250,000	-	-	-	-	-	-	-	250,000	250,000	-
15	Stanley Park: Malkin Bowl Performance Centre Upgrade	600,000	37,000	63,000	-	-	-	-	200,000	-	300,000	300,000	-
16	Queen Elizabeth Park Road Repaving (Roads and Parking Lots)	1,000,000	-	666,700	-	-	-	-	-	-	666,700	333,300	-
17	Stanley Park: Sewer Pump Station Upgrads (Electrical, Water and Sewer Infrastructure)	1,000,000	-	450,000	-	-	-	-	50,000	-	500,000	500,000	-
18	Roundhouse Turntable Plaza Rehabilitation	1,800,000	25,000	-	-	-	-	-	475,000	700,000	1,200,000	600,000	-
19	Park Lighting Infrastructure / Fieldhouses	2,100,000	650,000	-	-	-	-	-	750,000	-	1,400,000	700,000	-
20	English Bay Seawall Improvements: English Bay to Sunset Beach (Seawall Structural Repairs)	3,000,000	-	2,000,000	-	-	-	-	-	-	2,000,000	1,000,000	-
21	Stanley Park Road Repaving: Sections of Park Drive and Pipeline Road (Roads and Parking Lots)	3,000,000	-	1,500,000	-	-	-	-	-	-	1,500,000	1,500,000	-
22	Stanley Park: Seawall & Brockton Point Lighthouse Rehabilitation	4,000,000	-	850,000	-	1,060,000	-	-	90,000	-	2,000,000	2,000,000	-
23	VanDusen Botanical Garden New Visitor Centre	19,400,000	50,000	2,250,000	-	-	-	-	-	4,050,000	6,350,000	6,350,000	6,700,000
	TOTAL PARKS	36,400,000	1,012,000	7,779,700	-	1,060,000	-	-	1,565,000	4,750,000	16,166,700	13,533,300	6,700,000
CIVIC PROPERTY MANAGEMENT													
24	City Hall Heritage Exterior Upgrades	2,900,000	-	1,933,300	-	-	-	-	-	-	1,933,300	966,700	-
25	Orpheum Upgrades & Capitol 6 Interface & Finish	3,000,000	-	-	-	2,000,000	-	-	-	-	2,000,000	1,000,000	-
26	Carnegie Centre Windows and Heritage Work	4,000,000	-	2,666,700	-	-	-	-	-	-	2,666,700	1,333,300	-
27	QET Plaza Improvements	5,060,000	-	-	-	-	-	3,373,300	-	-	3,373,300	1,686,700	-
	TOTAL CIVIC PROPERTY MANAGEMENT	14,960,000	-	4,600,000	-	2,000,000	-	3,373,300	-	-	9,973,300	4,986,700	-
TOTAL FEDERAL INFRASTRUCTURE STIMULUS PROJECTS		105,360,000	1,012,000	41,500,600	-	3,060,000	-	3,681,300	5,844,000	6,042,000	61,139,900	36,520,100	7,700,000

DEPT	Sub-program/Project Name	Capital Budget Requested	Capital from Revenue	Borrowing Authority	DCL (City Wide)	CAC	Reserves	CFF*	Reallocation of existing Capital	Other	Total City Funding	Federal Infrastructure Funding	External
1B. Recreation Infrastructure Canada Funding:													
PARKS													
28	Other Parks: Fraserview, Grandview and Norquay Parks	3,000,000	-	450,000	1,525,000	-	-	-	25,000	-	2,000,000	-	1,000,000
29	Synthetic Turf Playfields	6,000,000	-	275,000	4,725,000	-	-	-	-	-	5,000,000	-	1,000,000
TOTAL RECREATION INFRASTRUCTURE CANADA PROJECTS		9,000,000	-	725,000	6,250,000	-	-	-	25,000	-	7,000,000	-	2,000,000
1C. Critical Capital Requests:													
PARKS													
30	Trout Lake Community Centre Renewal	18,750,000	-	18,750,000	-	-	-	-	-	-	18,750,000	-	-
TOTAL PARKS		18,750,000	-	18,750,000	-	-	-	-	-	-	18,750,000	-	-
ENGINEERING/EASY PARK													
31	CP#2 -150 W. Pender Surface/Structure Repairs	638,000	-	-	-	-	638,000	-	-	-	638,000	-	-
32	CP#4 -107 E. Cordova Door & Hardware Repairs	33,000	-	-	-	-	33,000	-	-	-	33,000	-	-
33	CP#22 -1180 Mainland Membrane Replacement	390,500	-	-	-	-	303,000	-	-	-	303,000	-	87,500
TOTAL ENGINEERING		1,061,500	-	-	-	-	974,000	-	-	-	974,000	-	87,500
TOTAL CRITICAL CAPITAL PROJECTS		19,811,500	-	18,750,000	-	-	974,000	-	-	-	19,724,000	-	87,500
TOTAL		134,171,500	1,012,000	60,975,600	6,250,000	3,060,000	974,000	3,681,300	5,869,000	6,042,000	87,863,900	36,520,100	9,787,500

* Interim financing to be provided from the CFF.

Appendix 2 - Approvals in advance of the 2010 Capital Budget including: Project description, scope of work, and funding reallocation details

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
1A. Federal Infrastructure Stimulus Funding:						
ENGINEERING						
<u>Sewers</u>						
1	Main Sewer Reconstruction - Greening English Bay Interceptor	This project advances the City/Metro Vancouver goal to eliminate combined sewer overflows by 2050 as committed in the Provincially approved Liquid Waste Management Plan. Connection of three sewage pumping station force mains (Granville Island Pump Station, Oak & 6th Pump Station, Kitsilano Pump Station) will redirect sanitary sewage from the English Bay Interceptor to the 8th Avenue Interceptor. Sanitary sewage in the 8th Avenue Interceptor will go directly to the Iona sewage treatment plant, the sanitary sewage removed from the English Bay Interceptor will reduce combined sewer overflows to Vancouver's surrounding waterbodies (English Bay, False Creek and Vancouver Harbour).	5,000,000	1,667,000	3,333,000	2010 Capital - \$1.772 M from Kitsilano/South Granville Basin [D1a1] - \$1.561 M from Cambie/Heather Basin [D1a1]
2	Main Sewer Reconstruction - Upper Trout Lake West Sewer Separation	This project advances works which would otherwise occur in the span of the next twenty years, this project and the future Trout Lake Stormwater Restoration Project will deliver cumulative environmental and health benefits. Sewer Trunk extensions and replacement of several hectares of sewers in the western portion of the Trout Lake Tributary area will reduce the Clark Drive combined sewer overflow outfall (largest combined sewer overflow in the Vancouver region). A reduction at this location is a major component of the provincially approved Liquid Waste Management Plan. Other benefits of this project include, a future source of clean storm and ground water for the Trout Lake Stormwater Restoration project, reduce and eventually eliminate the use of potable water (\$100,000/year) required to maintain water quality suitable for public swimming and other recreational use at Trout Lake and, as a useful example of sustainability for public education.	10,000,000	3,333,000	6,667,000	2010 Capital (Advance) - \$4.217 M from China Creek Basin [D1a1] - \$0.5 M from Downtown Basin [D1a1] - \$1.95 M from Hastings Sunrise Basin [D1a1]
3	Main Sewer Reconstruction - Upper Trout Lake East Sewer Separation	Similar to the above project, work would focus on the eastern portion.	10,000,000	3,333,000	6,667,000	2010 Capital (Advance) - \$4.21M from China Creek Basin [D1a1] - \$0.5 M from Balaclava Basin [D1a1] - \$1.957 M from Hastings Sunrise Basin [D1a1]
			25,000,000	8,333,000	16,667,000	
<u>Waterworks</u>						
4	Distribution System PRV Replacement (Infrastructure Funding)	Replacement of three Pressure Reducing Valve (PRV) stations that have exceeded their useful life. Pressure reducing valves are utilized in the water system to reduce high pressure source water to acceptable household working limits. The project will improve the safety of workers performing maintenance on chambers; the new chambers have hatches that can fully open providing sufficient air movement for entry, an improvement over the old stations that require confined space entry precautions prior to entry. An additional benefit is the application of SCADA technology to provide remote data acquisition back to the central control room in case of failures. The three sites proposed are: 11th Ave. at Clark Drive, Pender Street at Clark Drive, and 37th & Dunbar.	2,000,000	667,000	1,333,000	2009 Capital - \$1.304M from PRV Stations [F1c4] 2010 Capital - \$29k from PRV Stations [F1c4]
5	Distribution Main Replacement Kits & Point Grey (Infrastructure Prgm #1)	Thin wall cast iron pipe installed during the 1960's has a shorter useful life than materials used in other areas of the city. The Waterworks Capital Program strives to replace 0.8% of the water main network each year, however internal crews are unable to deliver the full 0.8%. Funding for this initiative would support a contract to increase the annual replacement rate to replace the thin wall cast stock. Designs have been prepared for this work, work will be done in the following Kitsilano and Point Grey neighbourhoods: W 6th Ave, Stephens to Bayswater, Stephens St., 6th - 7th Ave, McDonald St. 6th - 7th Ave., W 14th Ave - Waterloo to MacDonald, McMullen Ave - Valley Drive to Haggart, Townley St - McMullen to Eddington Drive, Brackenridge St., McMullen to Eddington and Haggart St. McMullen Ave to Eddington Drive.	2,500,000	833,000	1,667,000	2010 Capital - Distribution Mains [F1a]

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
6	Distribution Main Replacement Kerrisdale & Fraserview (Infrastructure Prgm #2)	<p>Similar to above,</p> <p>Locations have been identified, designs can now be prepared for this work at the following locations: W 12th Ave. - Collingwood St. to MacDonald St, E 61st Ave. - Victoria Dr. to Nanaimo St., Mackenzie St. - W11th Ave. to W 12th Ave., Bonnyvale Ave - Gladstone St. to Ashburn St., W 45th Ave. - Yew St. to Cypress St., Brigadoon Ave. - Victoria Dr. to Gladstone St., Cartier St. - W 41st Ave. to W 45th Ave., Newport Ave. - Victoria Dr. to Nanaimo St., Athlone St. - W 41st Ave. to W 45th Ave., Hoylake Ave. - Nanaimo St. to Upland Dr., W 45th Ave. - Hudson St. to Granville, Gladstone St. - E 61st Ave. to Upland Dr., W 46th Ave. - Hudson St. to Granville, W 47th Ave. - Hudson St. to Granville and W 48th Ave. - Hudson St. to Granville.</p>	5,000,000	1,667,000	3,333,000	2010 Capital - \$1.633 M from Distribution Main Replacement [F1a] - \$1.7 M from Microgeneration [F4c]
	<u>Streets</u>		9,500,000	3,167,000	6,333,000	
7	Disability Access - Curb Ramps Project	<p>This program's priority is to provide accessibility ramps at priority pedestrian locations (transit routes, arterials, controlled pedestrian crossings, and higher-demand pedestrian routes) and to respond to specific resident requests at other locations to complete the sidewalk network for seamless travel throughout the pedestrian environment.</p> <p>Locations will be identified by the City Engineer for inclusion in the project based on requirements to complete/rehabilitate curb ramps at priority pedestrian locations on arterials and pedestrian collector routes. Funding is expected to provide for the installation of approximately 400 of the approximately 8200 locations still requiring curb ramps throughout the City.</p>	2,000,000	666,700	1,333,300	2010 Capital - \$1.333M from Curb Ramps, New and Reconstruction [A1b3]
8	Major Maintenance of City Bridges - Grandview Viaduct Rehabilitation Phase 1: Bearing and Expansion Joint Replacement	The Grandview Viaduct is a 70 year old, 4 lane bridge functioning as a major access route to the downtown core. This project will extend bridge service life, mitigate structural deficiencies and prevent further unexpected deterioration of the bridge. The project also includes bridge deck condition assessments and lifecycle analysis to ensure that bearing replacement and expansion joint design solutions are compatible with future bridge deck rehabilitation.	2,000,000	666,700	1,333,300	Re-allocation of Existing capital: \$775,000 - \$200k from 2006-08 Capital Plan- Expo Deck [A6h] - \$125k from 2006-08 Capital Plan - Major Bridge Maintenance [A1c] - \$200k from 2009 Granville Bridge Strengthening [A2c3] - \$125k from 2009 Historic Railroads Upgrades [A2b2] - \$125k 2009 Major Bridge Maintenance [A2a] 2010 Capital: \$558,300 - \$250k from Historic Railroads Upgrades [A2b2] - \$308.3k from Streets Local Improvements [A1a4]
9	New Pedestrian Collector Sidewalks Project	<p>This program provides funding for the installation of new sidewalks to facilitate the completion of the City's sidewalk network in support of the City's Transportation Plan. Most projects are completed through the City's local improvement process. For projects advanced through the Local Improvement process, adjacent property owners share a portion of the construction costs with the City based on zoning and property details. Council policy is based on the following priorities: transit routes, arterial streets, pedestrian collector routes, higher zoned streets, and local residential streets.</p> <p>There is approximately 3700 block-faces (500 km) of sidewalks remaining to be developed and/or improved within the City. To complete the network within 50 years, over 75 block-faces need to be constructed annually, this project is anticipated to construct approximately 60 blocks of pedestrian collector sidewalks primarily adjacent parks and schools.</p>	5,000,000	1,666,700	3,333,300	Re-allocation of existing capital: \$2,200,000 - \$2,200k from Sidewalks - New & Local Improvements [A1b1] 2010 Capital - \$1.1333M from Sidewalks - New & Local Improvements [A1b1]
10	Major Streets - MRN - 41st Avenue Rehabilitation Project	<p>This program provides for the rehabilitation of the City's arterial streets that are part of the region's Major Road Network (MRN) where major capital restoration work is required to maintain the integrity of the street asset and extend the service life of the entire road structure.</p> <p>The City's maintenance programs address minor defects to maintain the service life of the pavements, and eventually major work is required to restore these pavements. There are approximately 800 blocks (121 km) of MRN arterial streets within the City. It is anticipated that TransLink will continue to provide funding for the operation, maintenance and rehabilitation of these roadways provided the roads are maintained to a regional standard. This project will include the rehabilitation of sections of pavements, sidewalks and curb ramps on 41st Avenue between Cambie St and Kingsway (approximately 40 blocks).</p>	6,000,000	2,000,000	4,000,000	2010 Capital: \$3.0M - \$1.3M from Streets - New & Local Improvement [A1a4] - \$0.7M from Lanes - New & Local Improvement [A1a6] - \$1M from Sidewalks - Reconstruction [A1b2] 2010 External Funding - \$1.0M from TransLink Major Road Network [A1a2]
			15,000,000	5,000,100	9,999,900	

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
	Sub Total		49,500,000	16,500,100	32,999,900	
NEU						
11	Distribution System Extension	The Neighbourhood Energy Utility (NEU) provides space heating and hot water services using heat recovery from sewage as its primary source of energy. This project will extend the NEU Thermal Energy Distribution system to service the Southeast False Creek Brownfield development sites located east of the Olympic Village, Science World and the VanCity Buildings.	2,100,000	700,000	1,400,000	This projects requires additional borrowing authority that was not included when the 2009-2011 Capital Plan was developed.
SOLID WASTE / TRANSFER AND LANDFILL OPERATIONS						
12	Pump Station Upgrades	This project involves increasing the capacity and improving the reliability of the pump station located at the Vancouver Landfill. This pump station is required to pump leachate from the Landfill to the sewer system. Continuous operation of the pump station is critical to avoid overflows and spillage into the environment, particularly during the wetter months. In addition to an outdated control system, the current pump station has limitations on the current standby generator to support full operation of the pump station during a power outage and poor protection of the controls and equipment from the weather. The project includes the following improvements: a new building to protect the control systems and equipment, a new control system and a dedicated standby generator (currently on order with installation completed by early 2010).	1,400,000	467,000	933,000	Funding is broken down as follows: Previously approved interim financing from the CFF \$625K per RTS 7663 in September 2008; Additional interim financing in the amount of \$308K provided by the CFF.
13	Water Line Extension	The City currently relies on onsite water trucks for fire protection at the Landfill. Extending the line along the southern perimeter of the site from it's existing location to connect into the municipal water supply will improve system pressure at the east end of the site. With the extension of the water line, the Fire Department will also be able to help fight fires (water trucks will still be relied on as they are able to provide immediate response to a fire anywhere at the Landfill). The scope of work involves confirming the location of the water line upgrade/extension constructing the works, consulting services (design, construction monitoring) and construction of the works.	1,000,000	333,000	667,000	Interim financing provided from the CFF was previously approved for this project per RTS 2000 approved in May 2001.
TOTAL ENGINEERING			2,400,000	800,000	1,600,000	
			54,000,000	18,000,100	35,999,900	
PARKS						
14	Stanley Park: Pavillion and Fieldhouse Upgrades (Washrooms & Fieldhouses)	This program focuses on the recapitalization and/or enhancement of existing washrooms and fieldhouses in parks (68 in total). The majority of these buildings were built between 1945 and 1980, and require ongoing investment to replace aging infrastructure and to address changing community needs. This project will complete major upgrades at two buildings in Stanley Park: the Stanley Park Pavilion and the Chilco building adjacent to Lost Lagoon. Work involves preparing detailed construction drawings and/or specifications, obtaining a Building Permit, tendering the project to a contractor, and construction.	500,000	250,000	250,000	2010 Capital - \$250K from Stanley Park: Pavillion and Fieldhouse Upgrades (Washrooms & Fieldhouses) [R2a]
15	Stanley Park: Malkin Bowl Performance Centre Upgrade	The facility renewal program focuses on the recapitalization, enhancement and/or expansion of existing recreation facility assets (22 community centres, 8 indoor swimming pools, 7 ice rinks, plus a handful of unique buildings like VanDusen Garden buildings and Bloedel Conservatory). The majority of recreation facilities were built between 1945 and 1980, and typically last 30-50 years, depending on the type. The recreation facility system requires ongoing investment to replace aging infrastructure and to adapt to changing community needs. This project focuses on the recapitalization of Malkin Bowl in Stanley Park, the project will upgrade the performance facility by improving the building envelope and adding a new heating system, a stage door and weather protection.	600,000	300,000	300,000	Unpent 2009 Capital funding \$200K; Surplus borrowing authority funding from Riley Park project \$63K; 2010 Capital from revenue \$37K (concessions) [R02b].

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
16	Queen Elizabeth Park Road Repaving (Roads and Parking Lots)	<p>This program focuses on the recapitalization of existing roadways and parking lots in parks. There are about 17 km of roadways in parks (95% are in Stanley and Queen Elizabeth Parks), there is also approximately 90 parking lots.</p> <p>This project will focus on repaving approximately 0.4 km of roads in Queen Elizabeth Park and includes preparing detailed construction drawings and/or specifications, tendering the projects to contractors, and construction.</p>	1,000,000	333,300	666,700	<p>\$567k funding to come from Recreation Facilities existing borrowing authority for Riley Park [R1b]. This requires a variation of borrowing authority from question 3a Recreation Facilities to 3b Parks. A variation of borrowing authority requires 8 votes of Council.</p> <p>2010 borrowing authority in the amount of \$100k is a reallocation from Stanley Park - Brockton Point [P9f].</p>
17	Stanley Park: Sewer Pump Station Upgrads (Electrical, Water and Sewer Infrastructure)	<p>This program focuses on the recpitalization of existing electrical, water and sewer infrastructure in parks.</p> <p>This project will focus on the replacement of four sewage pump stations in Stanley Park (at Second Beach, Third Beach, Prospect Point and Lumbermen's Arch) and includes preparing detailed construction drawings and/or specifications, tendering the projects to contractors, and construction.</p>	1,000,000	500,000	500,000	<p>2010 borowing authority \$450K: -\$150k is being reallocated from Stanley Park Brockton Point [P09f]; -\$300k from P09g Electrical, Sewer & Water Infrastructure [P09g].</p> <p>Unspent allocation from the 2009 Capital Budget for this program \$50k.</p>
18	Roundhouse Turntable Plaza Rehabilitation	<p>The facility renewal program focuses on the recapitalization, enhancement and/or expansion of existing recreation facility assets (22 community centres, 8 indoor swimming pools, 7 ice rinks, plus a handful of unique buildings like VanDusen Garden buildings and Bloedel Conservatory). The majority of recreation facilities were built between 1945 and 1980, and typically last 30-50 years, depending on the type. The recreation facility system requires ongoing investment to replace aging infrastructure and to adapt to changing community needs.</p> <p>This project focuses on the rehabilitation of the Turntable Plaza at Roundhouse Arts and Community Centre (Pacific Boulevard and Davie Street), to be upgraded into an outdoor performance space for audiences of 500 to 750 people.</p>	1,800,000	600,000	1,200,000	<p>\$475k Unspent allocation from the Andy Livingstone Park synthetic turf playfield restoration project; \$450k from rental revenue collected from the Roundhouse Community Centre during the 2010 Olympic Games; \$250k from BC Transmission Corporation for their work at David Lam Park in 200;. \$25k 2010 Capital from revenue from Minor Park Upgrades [P6c].</p>
19	Park Lighting Infrastructure / Fieldhouses	<p>This program focuses on, the installation of lighting and construction of fieldhouses.</p> <p>This project will focus on work at the 'Trillium' park site (National Avenue & Thornton Street) and the recapitalization the three existing fieldhouses (Jericho, Kitsilano and Sunset Beach Parks).</p>	2,100,000	700,000	1,400,000	<p>2010 Capital from Revenue funding of \$650k is reallocated from the following sources: a) \$250k from R-02a (washrooms and fieldhouses); b) \$250k from R-03e (roof replacements); c) \$50k from R-03f (floor replacements); d) \$50k from R-03g (painting); and e) \$50k from R-04a (conservation initiatives).</p> <p>Other funding of \$750k is from: a) \$600k from the unspent allocation from P-03b (synthetic turf playfields) in the 2007 Capital Budget; b) \$150k from the unspent allocation from R-02a (washrooms and fieldhouses) in the 2009 Capital Budget.</p>
20	English Bay Seawall Improvements: English Bay to Sunset Beach (Seawall Structural Repairs)	<p>The seawall program focuses on the recapitalization of the seawall by performing structural repairs and enhancements to the seawall. This project will focus on repairing/rebuilding of portions of the seawall along English Bay between Broughton Street and Stanley Park (a distance of about 0.8 km), due to its age and type of material used during its construction (portions of the wall were built with wood, not stone or concrete).</p>	3,000,000	1,000,000	2,000,000	<p>Funding to come from Public Safety and Civic Facilities existing borrowing authority. This requires a variation of borrowing authority from question 2a Public Safety to 3b Parks. A variation of borrowing authority requires 8 votes of Council.</p>
21	Stanley Park Road Repaving: Sections of Park Drive and Pipeline Road (Roads and Parking Lots)	<p>This program focuses on the recapitalization of existing roadways and parking lots in parks. There are approximately 17km of roadways in parks (95% are in Stanley and Queen Elizabeth Parks), there is also approximately 90 parking lots.</p> <p>This project will focus on repaving 1.8 km of roads in Stanley Park (along Park Drive and Pipeline Road) and includes preparing detailed construction drawings and/or specifications, tendering the projects to contractors, and construction.</p>	3,000,000	1,500,000	1,500,000	<p>Funding to come from Recreation Facilities existing borrowing authority for Riley Park [R1b]. This requires a variation of borrowing authority from question 3a Recreation Facilities to 3b Parks. A variation of borrowing authority requires 8 votes of Council.</p>

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
22	Stanley Park: Seawall & Brockton Point Lighthouse Rehabilitation	This project will focus on the recapitalization the following infrastructure in Stanley Park: repairing/rebuilding the seawall structure along English Bay between the Beach Avenue entrance and Second Beach (a distance of about 0.5 km); resurfacing the waterfront walkway between Brockton Point and Lumbermen's Arch in Stanley Park (a distance of 1.1 km); and repairing/rebuilding the lower (seawall) level at the Brockton Point lighthouse area (retaining walls, pathways, protective railings, and staircases).	4,000,000	2,000,000	2,000,000	\$1,060M from the Community Amenity Contribution (CAC) - Bayshore Rezoning. Reallocation of 2010 borrowing authority funding of \$850k from two sources: a) \$700k from P-07b (seawall structural repairs); b) \$150k from P-09f (Brockton Point repairs). Unspent allocation from 2009 Capital Budget P-02a (existing pathways) \$90k.
23	VanDusen Botanical Garden New Visitor Centre	The facility renewal program focuses on the recapitalization, enhancement and/or expansion of existing recreation facility assets (22 community centres, 8 indoor swimming pools, 7 ice rinks, plus a handful of unique buildings like VanDusen Garden buildings and Bloedel Conservatory). The majority of recreation facilities were built between 1945 and 1980, and typically last 30-50 years, depending on the type. The recreation facility system requires ongoing investment to replace aging infrastructure and to adapt to changing community needs. This project will focus on the renewal of the visitor centre at VanDusen Botanical Garden (the existing facility dates from 1975). The new visitor centre will contain new visitor orientation and arrival spaces, educational and library spaces, and a food service facility. The building will attempt to model carbon neutral "zero ecological footprint" building concepts based on the most up-to-date principles of sustainability. Previously approved funding allowed for the hiring of an architectural consultant, who prepared a concept design and applied for a Development Permit. The Park Board approved the concept design on September 21, 2009. Upcoming work involves tendering the project, and construction.	19,400,000	6,350,000	13,050,000	City funding of \$4.050M was approved as part of the 2003, 2008 and 2009 Capital Budgets. Debenture funding of \$2.250M consists of: a) \$2.000M allocated to R-01c (VanDusen Botanical Garden Building Renewal); and b) \$250k funding to come from Public Safety and Civic Facilities existing borrowing authority. This requires a variation of borrowing authority from question 2a Public Safety to 3b Parks. A variation of borrowing authority requires 8 votes of Council. Capital from Revenue funding of \$50k is reallocated from Concessions [R-02b]. Other Funding \$4.70M Donation from the VanDusen Botanical Garden Association \$2.0M Provincial Funding
TOTAL PARKS			36,400,000	13,533,300	22,866,700	
CIVIC PROPERTY MANAGEMENT						
24	City Hall Heritage Exterior Upgrades	This work will rehabilitate the exterior of the heritage Vancouver City Hall to restore the building envelope and stone façade of the building. Replacement of the windows is also part of the City's ongoing efforts to improve energy efficiency and maintain proper indoor environments for staff. The scope of work includes the replacement of single pane windows with more efficient thermopane and the replacement and resetting, honing, and patching of damaged portions of the stone façade. This project also involves the removal and replacement of damaged masonry joints .	2,900,000	966,700	1,933,300	Funding to come from Public Safety and Civic Facilities existing borrowing authority. This requires a variation of borrowing authority from question 2a Public Safety to 2b Civic Facilities. A variation of borrowing authority requires 8 votes of Council.
25	Orpheum Upgrades & Capitol 6 Interface & Finish	The cultural amenity that is part of the development at 833 Seymour St is a Cultural Amenity Contribution (CAC) and is owned by the City in the form of an air space parcel. The new amenity includes facilities to be leased to the Vancouver Symphony Orchestra (VSO) for a Music School and a facility to support the operations of the Orpheum Theatre. To complete, the facility requires an interface to connect the 2 buildings below stage, furnishings, and equipment in excess of the developer's obligation to be purchased and installed (stage sound and lighting systems, rigging equipment, telescoping audience seating system, concessions equipment). The construction portion of the project (Dressing Rooms, openings for freight elevator and personnel doors) must be undertaken in Summer 2010: the Orpheum is closed to bookings for this purpose from July 1 to September 30. The rest of the project involves purchasing and installing loose equipment and furnishings which can be accomplished before March 30, 2011, although the facility may not be ready for final occupancy until July 2011.	3,000,000	1,000,000	2,000,000	\$2M for CAC is currently sitting in the Cultural Precinct Reserve.
26	Carnegie Centre Windows and Heritage Work	This project involves the complete replacement of the heritage windows and restoration of the entire marble staircase. The wood frame windows have deteriorated significantly, increasing the potential for leaks into the building envelope, contribute to higher energy costs and occupant discomfort issues. The 3-storey marble staircase has also deteriorated, the trends are worn thin in areas and are canted and uneven creating a safety hazard.	4,000,000	1,333,300	2,666,700	Funding to come from Public Safety and Civic Facilities existing borrowing authority. This requires a variation of borrowing authority from question 2a Public Safety to 2b Civic Facilities. A variation of borrowing authority requires 8 votes of Council.

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
27	OET Plaza Improvements	<p>This program is the final phase of the Redevelopment Plan for the Queen Elizabeth Theatre (OET). This program commenced with the acoustical separation of the Playhouse and OET and was followed by major redevelopment to the interior of the OET, including seismic upgrading. This phase will provide for the restoration of the exterior plaza to support the interior upgrades.</p> <p>The scope of work includes: the full replacement of the waterproofing membrane and pavers over the underground parking, rebuilding of focal point exterior stairs, enclosure of an exposed parking exit stair, development of a canopy to shelter patrons and general public using the plaza, remediation and repair of the existing historic fountain, installation of new exterior public seating, installation of a new energy-efficient signage, new general security and feature lighting, soft and hard landscaping, security and access improvements, and restoration of the heritage exterior concrete and terra cotta finishes.</p>	5,060,000	1,686,700	3,373,300	Interim financing to come from the Capital Financing Fund to be repaid from the development of 150 Dunsmuir.
TOTAL CIVICE PROPERTY MANAGEMENT			14,960,000	4,986,700	9,973,300	
TOTAL FEDERAL INFRASTRUCTURE STIMULUS PROJECTS			105,360,000	36,520,100	68,839,900	
1B. Recreation Infrastructure Canada Funding:						
PARKS						
28	Other Parks: Fraserview, Grandview and Norquay Parks	<p>The park renewal program (20-25 year cycle) focuses on the recapitalization of existing assets (223 parks) by performing major upgrades to parks or portions of parks. The investment replaces aging infrastructure and to address changing community needs (population increases, changing cultural priorities, recreation/leisure preferences).</p> <p>Projects planned for 2010 are, the renewal of Grandview Park (Commercial Dr. & Charles St.), Norquay Park (Kingsway & Wales St.), and Fraserview Park (Victoria Dr. & Newport Ave.).</p> <p>Two of the projects (Grandview and Norquay Parks) are underway (preparation of 'concept plans' and public consultation) as these were funded in the 2009 Capital Budget. Funding in 2010 will allow these two renewal projects to be completed, as well as initiating and completing the renewal of Fraserview Park.</p>	3,000,000	1,000,000	2,000,000	<p>2010 funding: - DCL's 1.525M - Borrowing Authority \$450k</p> <p>Unspent allocation for this program from the 2009 Capital Budget \$25k.</p>
29	Synthetic Turf Playfields	<p>The synthetic turf playfield program focuses on, the expansion of the number of synthetic turf playfields across the city in order to keep up with demand; and the recapitalization of existing synthetic turf playfields.</p> <p>Funding will allow for two new synthetic turf playfields, a site selection process is underway and is anticipated to be completed in Jan. 2010. Sites under consideration include: Beaconsfield, Jericho, Memorial South, Prince-of-Wales and Rupert. The upgrading of the running track at Memorial South Park (located at the perimeter of a site being considered for synthetic turf playfield) was identified as a priority project.</p>	6,000,000	1,000,000	5,000,000	<p>2010 Funding: - DCL's - \$4.75M - Borrowing Authority - \$275k.</p>
TOTAL RECREATION INFRASTRUCTURE CANADA PROJECTS			9,000,000	2,000,000	7,000,000	
1C. Critical Capital Requests:						
PARKS						
30	Trout Lake Community Centre Renewal	<p>The facility renewal program focuses on the recapitalization, enhancement and/or expansion of existing recreation facility assets (22 community centres, 8 indoor swimming pools, 7 ice rinks, plus a handful of unique buildings like VanDusen Garden buildings and Bloedel Conservatory). The majority of recreation facilities were built between 1945 and 1980, and typically last 30-50 years, depending on the type. The recreation facility system requires ongoing investment to replace aging infrastructure and to adapt to changing community needs.</p> <p>This project will focus on the Trout Lake Community Centre (the existing facility dates from 1964). The project was identified as a high priority in the Park Board's Community Centre Renewal Plan (approved in 2002). The renewal of Trout Lake Ice Rink (adjacent to the community centre) was completed in 2009.</p> <p>Funding in the 2009 Capital Budget allowed for the hiring of an architectural consultant, who prepared a concept design for the new Trout Lake Community Centre. The Park Board approved the concept design on October 5, 2009. Upcoming work involves obtaining City permits, selecting a contractor, tendering the project, and construction.</p>	18,750,000	-	18,750,000	<p>The original 2009-2011 Capital Plan anticipated \$23.0M in funding for this project (\$22.5M allocated to Park Board and \$500k kept in reserve by the City).</p> <p>Since that time, the total project cost has been revised downward to \$21.250M, resulting in a surplus of \$1.250M in borrowing authority funding.</p>
TOTAL PARKS			18,750,000	-	18,750,000	

DEPT	Sub-program/Project Name	Project Description and Scope of Work	Capital Budget Requested	Federal Funding	Other	City and Non-Federal Funding Description
ENGINEERING / EASY PARK						
31	CP#2 -150 W. Pender Surface/Structure Repairs	Structural and surface deficiencies at this carpark were identified in a recent engineering consultant's report (September 2009) resulting in the closure of 60 parking spaces. Funding is required to implement the highest priority repairs, contingent on the results of further analysis for the future of the site.	638,000		638,000	Parking Sites Reserve
32	CP#4 -107 E. Cordova Door & Hardware Repairs	Repair and replacement of rusted and vandalized doors and door jambs in this parkade.	33,000		33,000	Parking Sites Reserve
33	CP#22 -1180 Mainland Membrane Replacement	Construction of the Canada Line (rapid transit rail) accelerated the decline of the waterproof protective membrane that protects against leakage and corrosion of the reinforcing steel within the concrete. Funding is requested to replace the traffic-bearing surface membrane.	390,500		390,500	Parking Sites Reserve
TOTAL ENGINEERING			1,061,500	-	1,061,500	
TOTAL CRITICAL CAPITAL PROJECTS			19,811,500	-	19,811,500	
TOTAL			134,171,500	38,520,100	95,651,400	